Clarion

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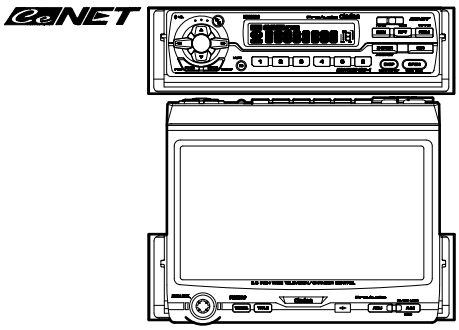
Service Manual



6.5" Monitor & FM/AM Radio
with CD/MD/DVD Changer Control

Model ***VRX630***
(QC-6710B)

SPECIFICATIONS

FM tuner section

Frequency range: 87.9MHz to 107.9MHz
Usable sensitivity: 11dBf
50dB quieting sensitivity: 17dBf
Alternate channel selectivity: 75dB
Stereo separation: 35dB(1kHz)
Frequency response: 30Hz to 15kHz(+3/-3dB)

AM tuner section

Frequency range: 530kHz to 1710kHz
Usable sensitivity: 25dBu

Audio amplifier section

Rated power output: 17Wx4(20Hz to 20kHz,1%,4 ohm)
Maximum power output: 46Wx4
Speaker impedance: 4 ohm(4 to 8 ohm)

Input/Output section

Video input: 1.0 +0.2/-0.2Vp-p (Input impedance 75 ohm)
Audio output: min.200mVrms

LCD monitor section

Screen size: 6.5-inch wide type (142mm Width x 78mm Height)
Display method: Transmission type TN Liquid Crystal Display
Drive method: TFT(thin-film transistor) active matrix driving
Pixels: 280,800(1200 x 234)

General

Power supply voltage: 14.4V DC (10.8 to 15.6V allowable)
Ground: Negative
Current consumption: 4.0A(1W)
Auto antenna rated current: 500mA less
Dimensions(mm): Main unit 178(W)x50(H)x157(D)
Remote control unit 44(W)x110(H)x27(D)
Weight: Main unit 1.7kg
Remote control unit 30g (including battery)

NOTES

* Use a CeNET extension cable that is less than 20m in length.(including the Y-adapter CCA-519)
* We cannot supply PWB with component parts in principle. When a circuit on PWB has failure , please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
* CD-ROM discs cannot be played in the CD changer.
* This unit can display title data for CD-text CDs and user titles input with this unit.
* Specifications and design are subject to change without notice for further improvement.

COMPONENTS

QC-6710B-A

Main unit	----------	1
Remote control unit	RCB-130-601	1
Battery(SUM-3)	----------	2
Universal mounting bracket	300-9677-00	1
DCP case	335-6035-41	1
Power supply lead	854-6356-51	1
Outer escutcheon	940-7715-04	1
Parts bag(No.1)	----------	
Flat head screw(M5x8)	714-5008-41	4
Sems hexagonal bolt(M5x8)	716-0496-01	5
Parts bag(No.2)	----------	
Hook plate	331-0488-20	2
Cord clamp	335-0833-07	1
Spacer	345-3653-20	1
Screw	716-0726-01	1

To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.
   The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.
   The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.
2. Place the parts and wiring back in their original positions after replacement or re-wiring.
   For proper circuit construction, use of insulation tubes, bonding,gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.
   If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.
3. Check for safety after repair.
   Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary ploblems around the repaired spots.
   If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
4. Caution in removal and making wiring connection to the parts for the automobile.
   Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
5. Cautions regarding chips.
   Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.
6. Cautions in handling flexible PWB
   Before working with a soldering iron, make sure that the iron tip temperature is around 270℃. Take care not to apply the iron tip repeatedly(more than three times)to the same patterns. Also take care not to apply the tip with force.
7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

ERROR DISPLAYS

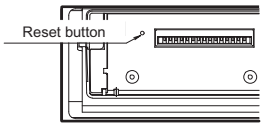
If an error occurs,one of the following displays is displayed.Take the measures described below to eliminate the problem.

	Error display	Cause	Measure
CD changer	ERROR 2	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism.
	ERROR 3	A CD inside the CD changer cannot be played due to scratches,etc.	Replace with a non-scratched,non-warped disc.
	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
MD changer	ERROR H	Displayed when the temperature in the MD changer is too high and playback has been stopped automatically.	Lower the surrounding temperature and wait for a while to cool off MD changer.
	EEROR 2	An MD inside the MD changer is not loaded.	This is a failure of MD changer's mechanism.
	ERROR 3	An MD inside the MD changer cannot be played due to scratches,etc.	Replace with a non-scratched,non-warped disc.
	ERROR 6	A MD inside the MD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
		Displayed when a non-recorded MD is loaded in the MD changer.	Load a pre-recorded MD in the MD changer.

Note:

1. For the DVD changer,refer to the service manual provided with the DVD changer.
2. If an error display other than the ones described above appears, press the reset button.
3. When the reset button is pressed,frequencies of TV/radio stations,titles,etc. stored in the memory are cleared.

TROUBLESHOOTING

Problem	Cause	Measure
Nothing happens when buttons are pressd. Display is not accurate.	The microprocessor has malfunction due to noise,etc.	Turn off the power,then press the RELEASE lever and remove the DCP.Press the Reset button for about 2 seconds with a thin rod. 

CLOCK ADJUSTMENT

1. Press the ADJ button to display the adjustment selection display.
2. Move the JOYSTICK up or down to select CLOCK,then press ENT at the center of the JOYSTICK to display the clock adjustment display.
3. Move the JOYSTICK left or right to select HR or MIN,then move the JOYSTICK up or down to adjust the time.
   ※The time is displayed in 12-hour format.
4. Pressing ENT at the center of the JOYSTICK when the cursor is above HR or MIN saves the adjusted value in memory and simultaneously returns the display to the previous display(adjustment selection display).
   To cancel clock adjustment before completion,use the JOYSTICK to move the cursor to MENU,then press ENT at the center of the JOYSTICK.

ADJUSTMENTS

Dot clock adjustment(at Digital PWB)

1. Turn the screen on,and connect TP601(TEST) to GND.
2. Adjust TC601 so that the reading of the frequency counter at TP602(VSYNC) is 12.00MHz+0.01/-0.02MHz.

DC-DC converter output voltage adjustment (at LCD PWB)

1. Adjust VR701 so that the voltage of TP703 is 5.05+0.05/-0.052V.
2. Make sure the voltage has become the following value at each test point.
   TP702 : 7.5+0.5/-0.5V
   TP704 : 18.5+1.0/-1.0V
   TP701 : -15.5+1.0/-1.0V

Frequency of IC706 adjustment(at LCD PWB)

1. Adjust VR708 so that the frequency of TP712 is 144kHz.

VIDEO signal adjustment(at LCD PWB)

Input the visual signal(10step wave,monochrome,APL=50%, 1.0Vp-p)to the VIDEO input.

10step wave VOLTS/DIV=0.1V(10:1PROVE)
A.B TIME/DIV=10usec.

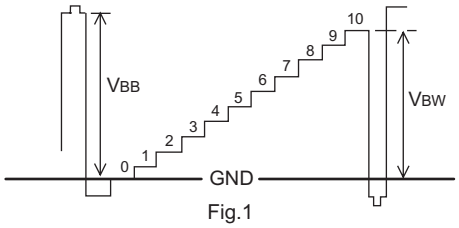


Fig.1

1. BRIGHT voltage confirmation(NTSC mode)
   Make sure the voltage of TP706 is 1.88+0.1/-0.1V.
2. RGB-AMP/CONT-G adjustment(NTSC mode)
   Adjust VR707(RBG AMP) so that VBB voltage of TP710 is 4.0+0.5/-0.5V.
   Adjust VR703(CONT) so that VBW voltage of TP710 is 3.8+0.05/-0.05V.
3. BRT-R Adjustment(NTSC mode)
   Adjust VR705(BRT-R) so that VBB voltage of TP711 is 4.0+0.05/-0.05V.
4. BRT-B Adjustment(NTSC mode)
   Adjust VR706(BRT-B) so that VBB voltage of TP709 is 4.0+0.05/-0.05V.
5. COM-AMP adjustment(NTSC mode)
   Adjust VR704(COM-AMP) so that the amplitude of TP705 is 6.7+0.1/-0.1Vp-p.
6. Burst cleaning adjustment(PAL mode)
   Input a color ber signal.
   Adjust L709 so that the wave form of TP709 is in focus.

Burst cleaning

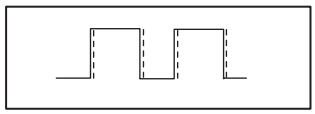


Fig.2

VCOM DC bias adjustment

Adjust VR702(VCOM DC) to obtain the optimum contrast.

EXPLANATION OF IC

M30624MGA-173GP 052-6043-40
AV Center System Controller (Tuner, LCD panel, Ce-NET)

1.Terminal Description

pin 1 : LCD COLOR	: O	: Color control signal output to LCD panel.
pin 2 : LCD HUE	: O	: Hue control signal output to LCD panel.
pin 3 : IR IN	: IN	: Signal input from Remote controller.
pin 4 : AMP REM OUT	: O	: Amplifier ON signal output terminal.
pin 5 : NU	: IN	: Not in use.
pin 6 : BYTE	: IN	: Connect to ground.
pin 7 : CNVSS	: IN	: Connect to ground.
pin 8 : SUB CLCK I	: IN	: Crystal connection for sub clock.
pin 9 : SUB CLCK O	: O	: Crystal connection for sub clock.
pin 10: RESET_	: IN	: Reset signal input. Negative logic.
pin 11: X OUT	: O	: Crystal connection for main clock (10MHz).
pin 12: VSS	: -	: Ground.
pin 13: X IN	: IN	: Crystal connection for main clock (10MHz).
pin 14: VCC	: -	: Positive supply voltage.
pin 15: NMI	: IN	: Not in use.
pin 16: ACC DET	: IN	: ACC ON signal input.
pin 17: B/U DET	: IN	: Backup voltage ON signal input. "L"=Backup OFF.
pin 18: OPEN/CLOSE	: IN	: Open/close key input.
pin 19: 27pinCONNECT	: IN	: IE bus data detect.
pin 20: ACC +B ON	: O	: LCD back light ON signal output.
pin 21: AV 5V ON	: O	: 5V power supply ON signal output.
pin 22: NU	: O	: Not in use.
pin 23: PANEL ON	: O	: LCD panel power on signal output.
pin 24: BRT	: O	: LCD panel brightness control signal output.
pin 25: NU	: IN	: Not in use.
pin 26: IR OUT	: O	: Signal output to Remote controller.

pin 27: IE BUS RX : IN : IE Bus communication line.
pin 28: IE BUS TX : O : IE Bus communication line.
pin 29: OSD DO : O : Serial data output to OSD IC.
pin 30: OSD STB : O : Serial strobe output to OSD IC.
pin 31: OSD SCK : O : Clock pulse output to OSD IC.
pin 32: PLL CE : O : PLL chip enable signal output.
pin 33: PLL DO : O : PLL serial data output.
pin 34: PLL DI : IN : PLL serial data input.
pin 35: PLL SCK : O : PLL serial clock output.
pin 36: FM STEREO_ : IN : FM stereo detection signal input. "L"= Stereo.
pin 37: NU : IN : Not in use.
pin 38: NU : IN : Not in use.
pin 39: AV ON : O : Power supply control signal output.
pin 40: OSD TSC : O : OSD external memory control signal output.
pin 41: NU : IN : Not in use.
pin 42: VOL CLK : O : Clock pulse output to electric volume IC.
pin 43: VOL DO : O : Serial data output to electric volume IC.
pin 44: OPEN : IN : Panel open detection signal input.
pin 45: CLOSE : IN : Panel close detection signal input.
pin 46: NU : O : Not in use.
pin 47: PAL_/NTSC : O : "L"= PAL, "H"= NTSC.
pin 48: EXIO STB : O : Strobe pulse output to the extended ports IC.
pin 49: SEL 2 : IN : AUX IN select signal input. Ref table 1.
pin 50: SEL 3 : IN : AUX IN select signal input. Ref table 1.
pin 51: NU : IN : Not in use.
pin 52: NU : IN : Not in use.
pin 53: NU : IN : Not in use.
pin 54: NU : IN : Not in use.
pin 55: V SEL 1 : O : Image source select signal output. Ref. Table 2.
pin 56: V SEL 2 : O : Image source select signal output. Ref. Table 2.
pin 57: BLANK : O : Blanking signal output.
pin 58: NV ON : O : "H"= Navigation RGB, "L"= OSD RGB.
pin 59: VIDEO_/RGB : O : Image select signal input. "H"= OSD, RGB navigation. "L"= Black box tuner, Composite navigation.
pin 60: VCC : - : Positive supply voltage.
pin 61: NU : IN : Not in use..
pin 62: VSS : IN : Ground.
pin 63: IR SEL : O : Remote control signal select. "L"= Optical input."H"= Micro computer signal output.
pin 64: PARKING IN : IN : "H"= Parking brake ON.
pin 65: MOTOR F : O : Open/Close control signal output. Ref table 3.
pin 66: MOTOR R : O : Open/Close control signal output. Ref table 3.
pin 67: MOTOR ON : O : Motor power supply ON signal output.
pin 68: AMP MUTE : O : "H"= Amplifier Mute.
pin 69: NAVI MUTE : O : "L"= Navigation audio signal ON.
pin 70: KEY REQ : IN : LCD driver key request signal input.
pin 71: ILL DETEC_ : IN : Illumination detect signal input. Negative logic.
pin 72: TILT_ : IN : "L"= Tilt, "H"= Horizontal.
pin 73: POWER SW : IN : Power key switch input.
pin 74: SYSTM MUTE : O : System mute.
pin 75: LINE MUTE : O : Line mute.
pin 76: BUS A OUT : O : Ce-NET bus input control. "L"= Audio input. "H"= Audio output.
pin 77: SYSTM ACC : O : Ce-NET bus system ACC.
pin 78: DISTINATION : IN : Distination select. "L"= USA, "H"= 3rd area.
pin 79: AMP STNBY_ : O : "H"= Amplifier ON.
pin 80: NU : O : Not in use.
pin 81: PHON INT : IN : Telephone interrupt signal input.
pin 82: NU : IN : Not in use.
pin 83: NU : IN : Not in use.
pin 84: FM SD : IN : FM SD input.
pin 85: AM SD : IN : AM SD input.
pin 86: NU : IN : Not in use.
pin 87: NU : O : Not in use.
pin 88: NU : O : Not in use.
pin 89: NU : IN : Not in use.
pin 90: NU : IN : Not in use.
pin 91: NU : IN : Not in use.
pin 92: NU : IN : Not in use.
pin 93: SD SPEED : O : Station detect speed control. "H"= Normal, "L"= Speed up.
pin 94: A VSS : - : Ground.
pin 95: DCP CE : O : DCP chip enable.
pin 96: Vref : - : Connect to ground.
pin 97: +5V : - : +5V.
pin 98: DCP DI : IN : DCP Serial data input.
pin 99: DCP DO : O : DCP serial data output.
pin100: DCP CK : O : DCP clock pulse output.

Table1. AUX IN select signal input

	Sel 3 (pin50)	Sel 2 (pin49)
No connection	L	L
No connection	L	H
Image signal interrupt	H	L
Image sound signal interrupt	H	H

Table2. Image source select signal output.

	Vsel 2 (pin56)	Vsel 1 (pin55)
Video mute	L	L
Navigation	L	H
Black box tuner	H	L
Black box tuner	H	H

Table3. Open/Close control signal output.

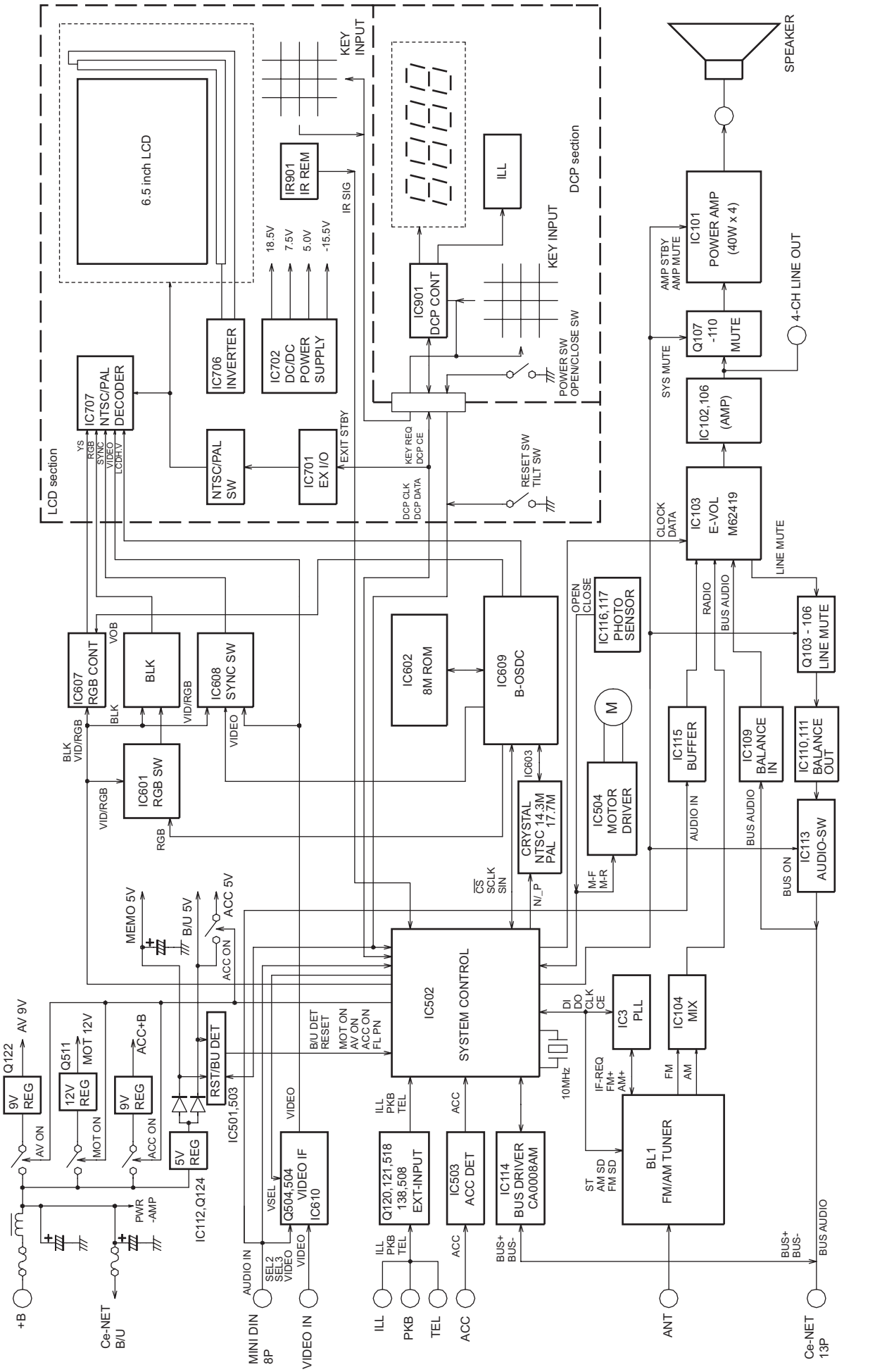
	Motor F (pin65)	Motor R (pin66)
Free	L	L
Open	L	H
Close	H	L
Brake	H	H

052-6044-21 M27C160-100M6 EP-ROM (Character data of On screen display for USA)

1. Terminal Description

pin 1 : N.C. : No connection.
pin 2 : A 18 : Address input terminal.
pin 3 : A 17 : Address input terminal.
pin 4 : A 7 : Address input terminal.
pin 5 : A 6 : Address input terminal.
pin 6 : A 5 : Address input terminal.
pin 7 : A 4 : Address input terminal.
pin 8 : A 3 : Address input terminal.
pin 9 : A 2 : Address input terminal.
pin 10: A 1 : Address input terminal.
pin 11: A 0 : Address input terminal.
pin 12: CE_ : Chip enable signal input. Negative logic.
pin 13: VSS : Ground.
pin 14: OE_ : Output enable signal input. Negative logic.
pin 15: D 0 : Data output terminal.
pin 16: D 8 : Data output terminal.
pin 17: D 1 : Data output terminal.
pin 18: D 9 : Data output terminal.
pin 19: D 2 : Data output terminal.
pin 20: D 10 : Data output terminal.
pin 21: D 3 : Data output terminal.
pin 22: D 11 : Data output terminal.
pin 23: VCC : Positive supply voltage.
pin 24: D 4 : Data output terminal.
pin 25: D 12 : Data output terminal.
pin 26: D 5 : Data output terminal.
pin 27: D 13 : Data output terminal.
pin 28: D 6 : Data output terminal.
pin 29: D 14 : Data output terminal.
pin 30: D 7 : Data output terminal.
pin 31: D 15 / A-1 : Data output / Address input.
pin 32: VSS : Ground.
pin 33: BYTE_ : L : 1 word = 8 bit H : 1 word = 16 bit
pin 34: A 16 : Address input terminal.
pin 35: A 15 : Address input terminal.
pin 36: A 14 : Address input terminal.
pin 37: A 13 : Address input terminal.
pin 38: A 12 : Address input terminal.
pin 39: A 11 : Address input terminal.
pin 40: A 10 : Address input terminal.
pin 41: A 9 : Address input terminal.
pin 42: A 8 : Address input terminal.
pin 43: A 19 : Address input terminal.
pin 44: N.C. : No connection.

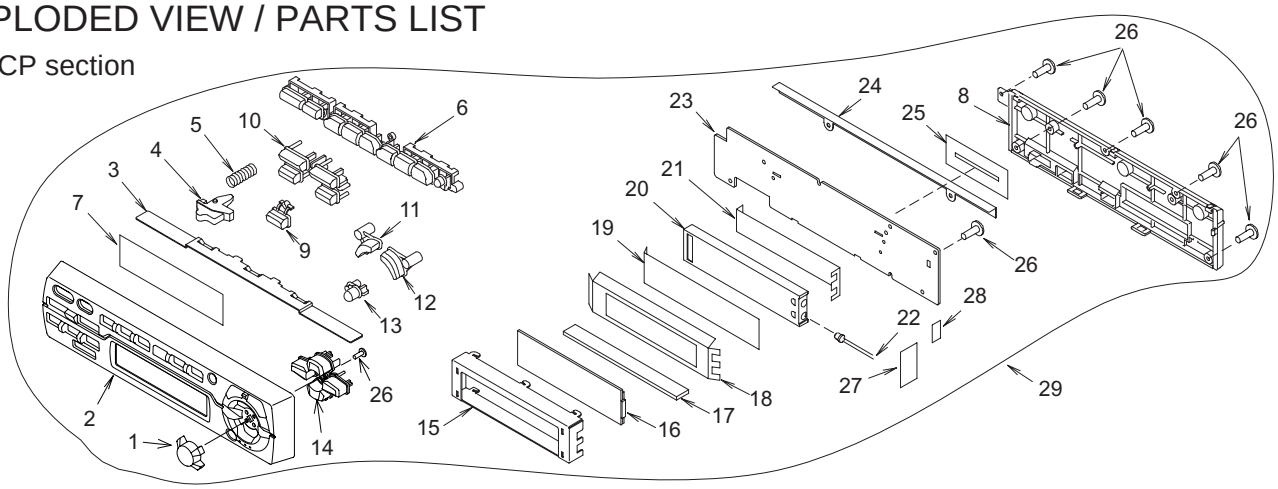
BLOCK DIAGRAM



VRX630

EXPLODED VIEW / PARTS LIST

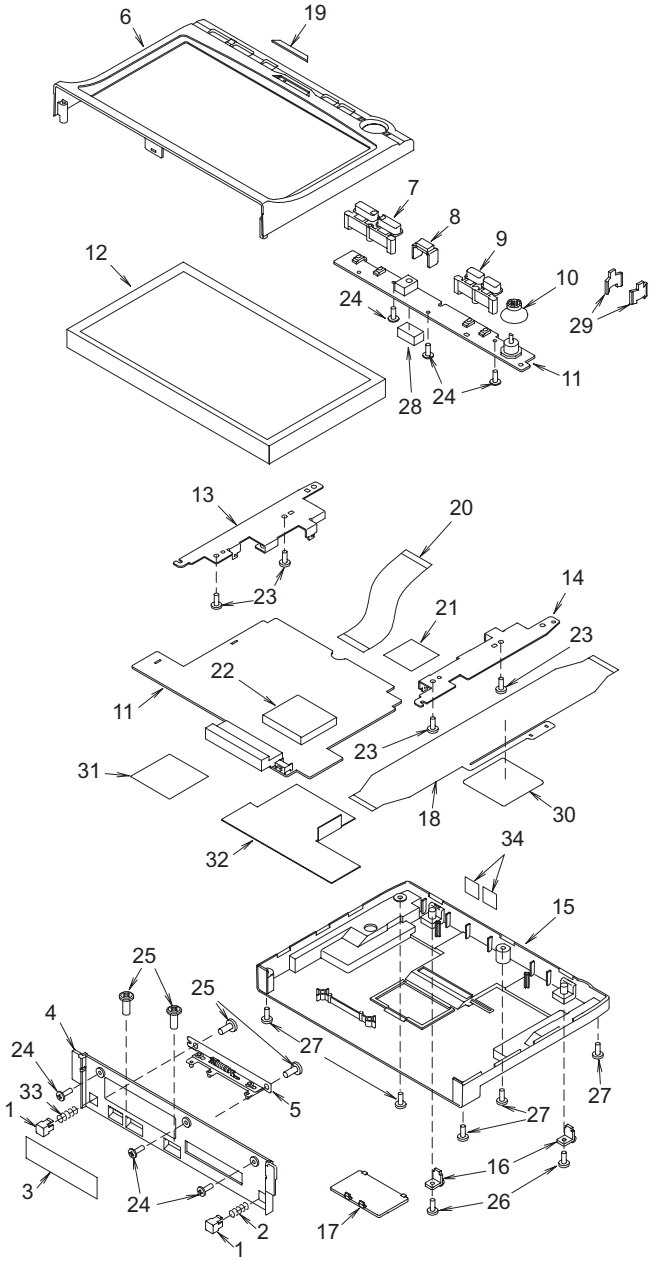
DCP section



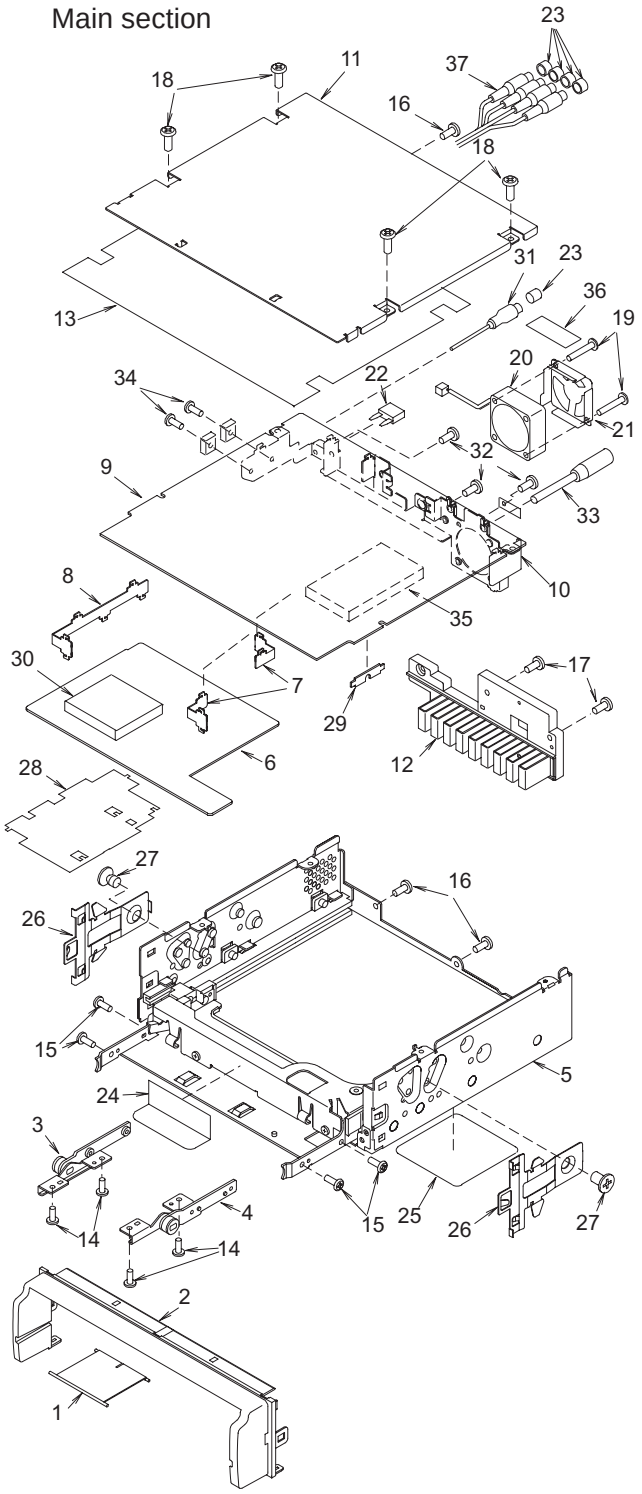
LCD module section

Note:

Please refer to page 8 when you release the LCD module from the main unit.



Main section



DCP section

NO.	PART NO.	DESCRIPTION	Q'TY
1	335-6983-00	BUTTON COVER	1
2	370-6921-01	ECSUTCHEON	1
3	331-2770-00	SPACER	1
4	335-6082-00	LEVER(Release)	1
5	750-6696-20	SPRING	1
6	382-6704-01	BUTTON(PRESET)	1
7	371-3912-20	TRIM PLATE	1
8	335-6081-00	BACK PLATE	1
9	382-5455-01	BUTTON(RPT)	1
10	382-5470-02	BUTTON(SCN/RDM/Z-E/ISR)	1
11	382-6702-00	BUTTON(BAND)	1
12	382-6701-00	BUTTON(FUNC)	1
13	382-5466-01	BUTTON(PLAY/PAUSE)	1
14	382-6703-00	BUTTON(VOL)	1
15	331-2771-00	LCD COVER	1

NO.	PART NO.	DESCRIPTION	Q'TY
16	379-1162-41	INDICATOR(FOR DCP)	1
17	345-8389-20	RUBBER CONNECTOR	1
18	347-5336-00	FILM	1
19	347-6617-00	CCS FILM	1
20	335-5138-00	ILLUMI PLATE	1
21	347-5335-00	REFLECTOR	1
22	001-7046-00	LED	
23	039-2329-00	DCP PWB (WITHOUT COMPONENT)	1
24	347-6155-00	INSULATOR	1
25	347-6115-20	SHADE	1
26	716-0872-11	PAD SCREW	7
27	347-7650-00	SHADE	1
28	347-7649-00	LED COVER	1
29	DCP-457-600	DCP ASSY	1

LCD module section

NO.	PART NO.	DESCRIPTION	Q'TY
1	335-5147-00	EJECTOR	2
2	750-6697-20	SPRING	1
3	347-5187-21	GUIDE LABEL	1
4	335-6078-00	DCP COVER	1
5	948-0539-00	HOOK-P-ASSY	1
6	373-0909-02	DIAL COVER	1
7	382-5456-02	BUTTON(ADJ/A-M)	1
8	335-6077-00	IR FILTER	1
9	382-5457-02	BUTTON(VISUAL/TITLE)	1
10	380-5452-00	KNOB(JOG)	1
11	039-2328-00	LCD PWB (WITHOUT COMPONENT)	1
12	379-4024-00	INDICATOR(6.5inch)	1
13	331-2710-00	LCD BRACKET A	1
14	331-2711-00	LCD BRACKET B	1
15	377-2613-02	DIAL SUPPORT	1
16	335-5161-00	LOCK	2
17	335-6089-00	CONNECT COVER	1

NO.	PART NO.	DESCRIPTION	Q'TY
18	039-1521-00	FLEXIBLE PWB	1
19	378-0515-00	BADGE(Clarion)	1
20	816-2439-50	FLAT WIRE	1
21	347-6110-00	INSULATOR	1
22	331-2789-00	SHIELD CASE	1
23	702-2605-80	TAP SCREW(2.6x5)	4
24	716-0872-02	PAD SCREW	6
25	702-2606-87	TAP SCREW(2.6x6)	4
26	702-2006-89	TAP SCREW(2.6x6)	2
27	702-2010-87	TAP SCREW(M2x10)	5
28	345-8378-00	SPACER	1
29	335-6076-00	REFLECTOR	2
30	347-6114-00	SHADE	1
31	347-5422-00	SHIELD SHEET	1
32	347-6154-00	SHIELD SHEET	1
33	750-6701-00	SPRING	1
34	347-6371-00	SPACER	2

Main section

NO.	PART NO.	DESCRIPTION	Q'TY
1	335-6075-00	FLEXIBLE PWB COVER	1
2	370-5829-01	ESCUTCHEN	1
3	948-0523-00	TORQUE BUSH L	1
4	948-0523-10	TORQUE BUSH R	1
5	948-0530-20	SLIDE MECH ASSY(cf.p8)	1
6	039-2327-00	DIGITAL PWB (WITHOUT COMPONENT)	1
7	331-2712-00	PWB HOLDER A	2
8	331-2713-00	PWB HOLDER B	1
9	039-1910-00	MAIN PWB (WITHOUT COMPONENT)	1
10	331-2714-10	CONNECTOR PLATE	1
11	311-1778-01	LOWER CASE	1
12	313-1761-00	HEAT SINK	1
13	347-6111-20	INSULATOR	1

NO.	PART NO.	DESCRIPTION	Q'TY
14	780-2606-03	IT SCREW(M2.6x6)	4
15	780-2605-02	MACHINE SCREW(M2.6x5)	4
16	778-2605-05	TAP SCREW(M2.6x5)	3
17	714-2610-80	MACHINE SCREW(M2.6x10)	2
18	716-1494-00	IT SCREW	4
19	780-2615-00	MACHINE SCREW(M2.6x15)	2
20	020-3042-00	FAN	1
21	331-2727-02	FAN COVER	1
22	060-8021-07	AUTO FUSE(15A)	1
23	345-3799-20	CAP	5
24	347-6136-00	FLEXIBLE PWB GUIDE	1
25	286-6215-00	SETPLATE	1
26	750-3137-00	SPRING	2
27	714-5008-41	MACHINE SCREW(M5x8)	2

NO.	PART NO.	DESCRIPTION	Q'TY
28	347-6153-00	SHIELD SHEET	1
29	347-6113-00	SHIELD SHEET	1
30	331-2790-00	SHIELD CASE	1
31	855-5436-50	RCA CORD(VIDEO)	1
32	714-3005-80	MACHINE SCREW(M3x5)	3

NO.	PART NO.	DESCRIPTION	Q'TY
33	092-0701-02	ANTENNA RECEPTACLE	1
34	714-2606-80	MACHINE SCREW(M2.6x6)	2
35	880-2084C	FM/AM TUNER PACK	1
36	353-0249-00	SHADE	1
37	855-5427-51	RCA CORD(AUDIO)	1

How to release LCD module

Refer to the exploded view of the main section on page 6.

1. Remove the machine screws(No.27x2) and the springs(No.26x2).
2. Remove the IT screws(No.18x4) and the tap screw(No.16x3) in order to release the lower case(No.11).
3. Remove the escutchen(No.2) and the main PWB assembly(No.9).
4. Pull out the LCD module,and release the flexible PWB of the LCD module from the motor of the slide mechanism assembly(No.5).(Fig.3)

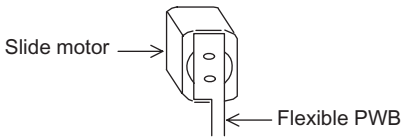
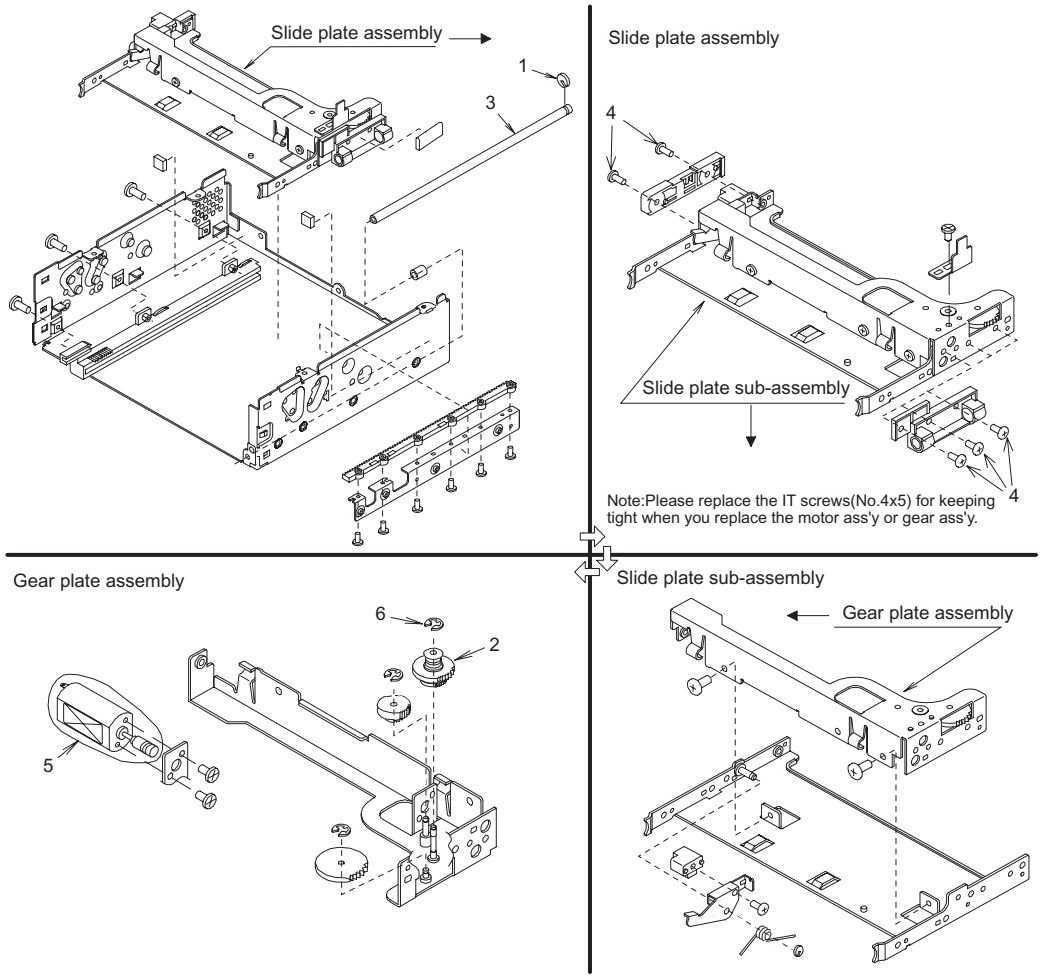


Fig.3

5. Release the hooks of the Flexible PWB cover(No.1) from the LCD module and the slide mechanism assembly(No.5).
6. Remove the flexible PWB cover(No.1) and the IT screws(No.14x4).

EXPLODED VIEW / PARTS LIST

Slide mechanism section : 948-0530-20



NO.	PART NO.	DESCRIPTION	Q'TY
1	744-0041-00	E-RING	1
2	634-0016-00	GEAR ASSY	1
3	612-0402-00	SHAFT	1
4	780-2606-03	IT SCREW	5
5	634-0017-00	MOTOR ASSY	1
6	743-1500-01	E-RING	1

Caution for the replacement of the motor assembly

After you replaced the motor assembly with new one,please make sure that the current of the motor assembly is 50mA or less when you input 8V as the power voltage.

If the current is over 50mA,loosen the screws, and adjust the position of the motor assembly.

Then tighten the screws,and check the current again.

ELECTRICAL PARTS LIST

Main PWB section(B1)

Note) Several different parts of the same reference number are alternative parts. One of those parts is used in the set.

REF No.	PART No.	DESCRIPTION
BL1	880-2084C	AM/FM TUNER
C1	168-1032-55	0.01uF
C2	042-0595-80	50V2.2uF
C3	166-2201-50	22pF CH
C4	166-1801-50	18pF CH
C5	166-2201-50	22pF CH
C6	163-2263-35	16V22uF
C9	168-3335-56	0.033uF
C10	168-3335-56	0.033uF
C11	178-3932-78	0.039uF
C12	168-6822-55	6800pF
C13	168-2222-55	2200pF
C14	168-1022-55	1000pF
C15	168-2232-55	0.022uF
C16	168-1022-55	1000pF
C18	168-2232-55	0.022uF
C19	168-2232-55	0.022uF
C20	168-2212-55	220pF
C25	166-1011-50	100pF CH
C26	166-1011-50	100pF CH
C27	166-1011-50	100pF CH
C29	042-0595-65	16V47uF
C30	168-4735-56	0.047uF
C32	042-0595-65	16V47uF
C33	168-1045-56	0.1uF
C34	042-0595-79	50V1uF
C35	168-1045-56	0.1uF
C36	168-2212-55	220pF
C37	168-8222-55	8200pF
C38	166-1011-50	100pF CH
C40	168-1222-55	1200pF
C41	166-1501-50	15pF CH
C42	166-1801-50	18pF CH
C43	042-0595-79	50V1uF
C44	042-0595-79	50V1uF
C48	168-1022-55	1000pF
C49	166-1011-50	100pF CH
C50	166-1011-50	100pF CH
C57	166-1011-50	100pF CH
C58	166-1011-50	100pF CH
C102	166-4701-50	47pF CH
C103	168-1045-56	0.1uF
C104	042-0592-58	16V10uF
C106	042-0592-58	16V10uF
C107	042-0592-73	50V1uF
C108	042-0592-74	50V 2.2uF
C109	168-6822-55	6800pF
C110	166-2201-50	22pF CH
C112	168-6835-56	0.068uF
C113	168-1022-55	1000pF
C114	168-2212-55	220pF
C115	168-1032-55	0.01uF
C116	178-1055-79	1uF
C118	042-0592-66	35V 4.7uF
C119	042-0592-59	16V22uF
C120	042-0592-58	16V10uF
C121	042-0595-62	16V10uF
C122	042-0592-70	50V0.22uF
C123	042-0592-70	50V0.22uF
C124	042-0592-70	50V0.22uF
C125	042-0592-70	50V0.22uF
C126	168-1045-56	0.1uF
C127	168-3322-55	3300pF
C129	166-4701-50	47pF CH
C130	042-0592-58	16V10uF
C132	042-0595-80	50V2.2uF
C134	184-2283-32	16V2200uF
C135	042-0595-79	50V1uF
C137	168-1032-55	0.01uF
C138	042-0595-62	16V10uF
C139	042-0595-62	16V10uF
C141	166-4701-50	47pF CH
C142	042-0592-58	16V10uF
C143	042-0592-59	16V22uF
C144	042-0592-66	35V 4.7uF
C145	042-0595-66	25V4.7uF
C146	042-0592-58	16V10uF
C147	042-0592-74	50V 2.2uF
C148	168-2212-55	220pF
C149	178-1055-79	1uF
C150	166-2201-50	22pF CH
C152	168-6835-56	0.068uF
C153	168-1022-55	1000pF
C154	042-0595-62	16V10uF
C155	168-6822-55	6800pF
C156	042-0592-59	16V22uF
C157	042-0592-58	16V10uF
C158	168-1045-56	0.1uF
C159	042-0592-73	50V1uF
C160	166-4701-50	47pF CH
C161	042-0592-58	16V10uF
C162	042-0592-58	16V10uF
C165	168-1032-55	0.01uF
C173	168-1032-55	0.01uF
C174	178-1055-79	1uF
C175	042-0595-84	10V100uF
C176	042-0595-84	10V100uF
C177	168-1032-55	0.01uF
C180	042-0595-62	16V10uF
C181	184-2283-32	16V2200uF
C182	166-2201-50	22pF CH
C183	172-1041-11	0.1uF
C184	042-0595-62	16V10uF
C186	042-0592-58	16V10uF
C187	042-0592-58	16V10uF
C188	042-0592-58	16V10uF
C189	166-2201-50	22pF CH
C190	042-0595-62	16V10uF
C191	042-0592-58	16V10uF
C192	168-1032-55	0.01uF
C193	042-0595-62	16V10uF
C194	168-1032-55	0.01uF
C195	042-0592-58	16V10uF
C196	042-0592-58	16V10uF
C197	042-0592-58	16V10uF
C198	042-0592-58	16V10uF
C199	042-0592-58	16V10uF
C200	042-0595-62	16V10uF
C201	166-2201-50	22pF CH
C202	042-0592-66	35V 4.7uF
C203	166-2201-50	22pF CH
C204	042-0595-62	16V10uF
C205	168-1032-55	0.01uF
C207	166-2201-50	22pF CH
C209	166-2201-50	22pF CH
C210	042-0595-62	16V10uF
C211	168-1032-55	0.01uF
C212	042-0592-58	16V10uF
C213	042-0592-66	35V 4.7uF
C214	166-2201-50	22pF CH
C215	042-0592-66	35V 4.7uF
C216	166-2201-50	22pF CH
C217	042-0592-66	35V 4.7uF
C218	168-1032-55	0.01uF
C219	163-1073-35	16V100uF
C220	168-1032-55	0.01uF
C221	163-1073-35	16V100uF
C222	168-1032-55	0.01uF
C223	163-1073-35	16V100uF
C224	042-0635-50	10V47uF
C225	178-2232-78	0.022uF
C226	168-1045-56	0.1uF
C227	168-1045-56	0.1uF
C228	172-1041-11	0.1uF
C229	168-2212-55	220pF
C230	042-0595-62	16V10uF
C231	042-0592-66	35V 4.7uF
C232	042-0592-66	35V 4.7uF
C235	168-1032-55	0.01uF
C236	042-0595-62	16V10uF
C237	168-2212-55	220pF
C238	168-1045-56	0.1uF
C239	042-0595-62	16V10uF
C240	168-1032-55	0.01uF
C241	042-0595-62	16V10uF
C242	042-0595-64	16V33uF
C244	042-0595-62	16V10uF
C251	168-1022-55	1000pF
C252	168-1022-55	1000pF
C253	168-1022-55	1000pF
C254	168-1022-55	1000pF
D101	001-0516-90	MA111
D102	001-0516-90	MA111
D103	001-2606-90	M1FS4
D104	001-2606-90	M1FS4
D105	001-2606-90	M1FS4
D106	001-2606-90	M1FS4
D111	001-0516-90	MA111
D112	001-0516-90	MA111
D113	001-0516-90	MA111
D114	001-0592-00	RM4Z
D115	001-0516-90	MA111
D116	001-0356-91	1SS184
D117	001-2403-90	M1F60
D118	001-0516-90	MA111
D119	001-0516-90	MA111
D120	001-0516-90	MA111
D121	001-0529-46	MA8091-L
D122	001-0516-90	MA111
D123	001-2403-90	M1F60
D124	001-0529-48	MA8091-H
D125	001-0516-90	MA111
D150	001-0529-25	MA8047-L
F101	060-8023-58	3A
FAN	020-3042-00	FAN MOTOR
IC3	051-6201-90	LC72146M
IC101	051-2023-01	TA8260AH
IC102	051-0350-93	NJM4558M
IC103	051-5008-90	M62419FP
IC104	051-0350-93	NJM4558M
IC105	051-0350-93	NJM4558M
IC106	051-0350-93	NJM4558M
IC108	051-0350-93	NJM4558M
IC109	051-0350-93	NJM4558M
IC110	051-0350-93	NJM4558M
IC111	051-0350-93	NJM4558M
IC112	051-3201-00	AN77L06
IC113	051-7232-08	74VHC4066M
IC114	051-6600-38	CA0008AM
IC115	051-0350-93	NJM4558M
IC116	051-5801-00	GP1S53V
IC117	051-5801-00	GP1S53V
J101	074-1238-00	16P
J102	074-1194-00	13P CE-NET
J103	074-1030-00	MINI-DIN-8P
L1	010-2003-04	COIL
L2	010-2199-54	0.22UH J
L3	010-2174-78	220UH
L5	010-2199-66	2.2UH J
L6	010-2199-66	2.2UH J
P1	074-0977-14	14P
P101	074-0977-19	SOCKET-19P
P102	076-0349-02	2P

REF No.	PART No.	DESCRIPTION
P103	074-0977-17	SOCKET-17P
Q5	190-1162-00	2SA1162
Q6	190-1298-00	2SA1298
Q8	108-0669-00	2SK669
Q101	190-1162-00	2SA1162
Q102	190-1162-00	2SA1162
Q103	193-1306-00	2SD1306
Q104	193-1306-00	2SD1306
Q105	193-1306-00	2SD1306
Q106	193-1306-00	2SD1306
Q107	193-1306-00	2SD1306
Q108	193-1306-00	2SD1306
Q109	193-1306-00	2SD1306
Q110	193-1306-00	2SD1306
Q113	191-1237-00	2SB1237
Q114	125-0002-93	RN2403
Q115	190-1162-00	2SA1162
Q116	190-1162-00	2SA1162
Q117	125-2004-93	RN1403
Q118	125-2004-93	RN1403
Q119	125-2004-93	RN1403
Q120	192-2712-00	2SC2712
Q121	190-1313-00	2SA1313O,Y
Q122	103-1683-00	2SD1683
Q123	190-1428-00	2SA1428
Q124	101-1143-00	2SB1143
Q125	190-1428-00	2SA1428
Q126	190-1428-00	2SA1428
Q127	190-1213-00	2SA1213
Q128	125-2004-93	RN1403
Q129	125-0002-93	RN2403
Q130	125-2004-97	RN1407
Q131	125-2004-93	RN1403
Q132	125-2004-93	RN1403
Q133	125-2004-93	RN1403
Q134	125-2004-91	RN1401
Q135	192-2873-00	2SC2873
Q136	190-1162-00	2SA1162
Q137	125-2004-93	RN1403
Q138	192-2712-00	2SC2712
R8	032-0104-73	1/4W 330 ohm
R9	119-3921-15	1/16W 3.9k ohm
R11	119-8221-15	1/16W 8.2k ohm
R14	119-2201-15	1/16W 22 ohm
R15	119-1031-15	1/16W 10k ohm
R16	119-1031-15	1/16W 10k ohm
R17	119-1031-15	1/16W 10k ohm
R18	119-2221-15	1/16W 2.2k ohm
R19	119-1031-15	1/16W 10k ohm
R21	119-1031-15	1/16W 10k ohm
R22	119-1031-15	1/16W 10k ohm
R23	119-2721-15	1/16W 2.7k ohm
R24	119-2721-15	1/16W 2.7k ohm
R25	119-1231-15	1/16W 12k ohm
R26	119-1031-15	1/16W 10k ohm
R27	119-2711-15	1/16W 270 ohm
R28	119-8211-15	1/16W 820 ohm
R29	119-1021-15	1/16W 1k ohm
R30	119-2221-15	1/16W 2.2k ohm
R31	119-1021-15	1/16W 1k ohm
R32	119-1021-15	1/16W 1k ohm
R33	119-1011-15	1/16W 100 ohm
R101	119-1021-15	1/16W 1k ohm
R102	119-2231-15	1/16W 22k ohm
R103	119-1031-15	1/16W 10k ohm
R104	119-3321-15	1/16W 3.3k ohm
R107	119-3331-15	1/16W 33k ohm
R108	119-2231-15	1/16W 22k ohm
R109	119-2221-15	1/16W 2.2k ohm
R110	119-2721-15	1/16W 2.7k ohm

REF No.	PART No.	DESCRIPTION
R111	119-4731-15	1/16W 47k ohm
R112	119-4721-15	1/16W 4.7k ohm
R113	119-6831-15	1/16W 68k ohm
R115	119-3331-15	1/16W 33k ohm
R116	119-1021-15	1/16W 1k ohm
R117	119-1031-15	1/16W 10k ohm
R118	119-2731-15	1/16W 27k ohm
R119	119-3331-15	1/16W 33k ohm
R120	119-2231-15	1/16W 22k ohm
R121	119-3331-15	1/16W 33k ohm
R122	119-3321-15	1/16W 3.3k ohm
R123	119-1031-15	1/16W 10k ohm
R124	119-1031-15	1/16W 10k ohm
R125	119-1831-15	1/16W 18k ohm
R126	119-1021-15	1/16W 1k ohm
R127	119-1831-15	1/16W 18k ohm
R128	119-3331-15	1/16W 33k ohm
R130	119-2231-15	1/16W 22k ohm
R131	119-3331-15	1/16W 33k ohm
R132	119-1031-15	1/16W 10k ohm
R134	119-3331-15	1/16W 33k ohm
R135	119-3331-15	1/16W 33k ohm
R137	119-2231-15	1/16W 22k ohm
R138	119-3311-15	1/16W 330 ohm
R139	119-3331-15	1/16W 33k ohm
R140	119-1031-15	1/16W 10k ohm
R141	119-2231-15	1/16W 22k ohm
R142	119-3311-15	1/16W 330 ohm
R143	119-2731-15	1/16W 27k ohm
R144	119-3331-15	1/16W 33k ohm
R145	119-3311-15	1/16W 330 ohm
R146	119-3331-15	1/16W 33k ohm
R147	119-4721-15	1/16W 4.7k ohm
R148	119-2231-15	1/16W 22k ohm
R149	119-3311-15	1/16W 330 ohm
R150	119-1031-15	1/16W 10k ohm
R151	119-2231-15	1/16W 22k ohm
R154	119-6831-15	1/16W 68k ohm
R155	119-1031-15	1/16W 10k ohm
R156	119-2221-15	1/16W 2.2k ohm
R157	119-2721-15	1/16W 2.7k ohm
R158	119-4731-15	1/16W 47k ohm
R159	119-2231-15	1/16W 22k ohm
R160	119-2231-15	1/16W 22k ohm
R161	119-2231-15	1/16W 22k ohm
R162	119-2231-15	1/16W 22k ohm
R163	119-1021-15	1/16W 1k ohm
R164	119-1021-15	1/16W 1k ohm
R165	119-1021-15	1/16W 1k ohm
R166	119-1021-15	1/16W 1k ohm
R167	119-2231-15	1/16W 22k ohm
R168	119-3331-15	1/16W 33k ohm
R170	119-3311-15	1/16W 330 ohm
R172	119-1231-15	1/16W 12k ohm
R174	119-1231-15	1/16W 12k ohm
R183	114-1591-11	1W 1.5 ohm
R186	119-1021-15	1/16W 1k ohm
R187	119-1031-15	1/16W 10k ohm
R188	119-1031-15	1/16W 10k ohm
R189	119-2231-15	1/16W 22k ohm
R191	119-1031-15	1/16W 10k ohm
R192	032-0104-61	1/4W 2.2k ohm
R194	032-0104-67	1/4W 1.2k ohm
R196	119-4721-15	1/16W 4.7k ohm
R197	119-3321-15	1/16W 3.3k ohm
R198	119-1031-15	1/16W 10k ohm
R199	119-2231-15	1/16W 22k ohm
R200	119-4731-15	1/16W 47k ohm
R201	119-4731-15	1/16W 47k ohm
R202	119-2231-15	1/16W 22k ohm

REF No.	PART No.	DESCRIPTION
R203	119-2231-15	1/16W 22k ohm
R204	119-4731-15	1/16W 47k ohm
R205	119-4731-15	1/16W 47k ohm
R206	119-2231-15	1/16W 22k ohm
R207	119-2231-15	1/16W 22k ohm
R208	119-1031-15	1/16W 10k ohm
R209	119-4731-15	1/16W 47k ohm
R210	119-1031-15	1/16W 10k ohm
R211	119-1531-15	1/16W 15k ohm
R212	119-4731-15	1/16W 47k ohm
R213	119-1041-15	1/16W 100k ohm
R214	119-2231-15	1/16W 22k ohm
R215	119-2231-15	1/16W 22k ohm
R216	119-2231-15	1/16W 22k ohm
R217	119-1011-15	1/16W 100 ohm
R218	119-1011-15	1/16W 100 ohm
R219	119-1011-15	1/16W 100 ohm
R220	119-1011-15	1/16W 100 ohm
R221	119-1031-15	1/16W 10k ohm
R223	119-1041-15	1/16W 100k ohm
R224	119-1041-15	1/16W 100k ohm
R225	119-1041-15	1/16W 100k ohm
R226	119-1041-15	1/16W 100k ohm
R227	119-2231-15	1/16W 22k ohm
R228	119-1531-15	1/16W 15k ohm
R229	119-2231-15	1/16W 22k ohm
R230	119-1031-15	1/16W 10k ohm
R231	119-5611-15	1/16W 560 ohm
R232	119-1031-15	1/16W 10k ohm
R233	119-2231-15	1/16W 22k ohm
R234	119-2201-15	1/16W 22 ohm
R235	119-1031-15	1/16W 10k ohm
R236	119-1031-15	1/16W 10k ohm
R237	119-1031-15	1/16W 10k ohm
R238	119-1031-15	1/16W 10k ohm
R239	111-6811-81	1/2WS 680 ohm
R240	119-4721-15	1/16W 4.7k ohm
R241	111-6811-81	1/2WS 680 ohm
R242	119-4711-15	1/16W 470 ohm
R243	119-1041-15	1/16W 100k ohm
R244	032-0104-53	1/4W 1k ohm
R245	032-0104-64	1/4W 68 ohm
R246	119-1021-15	1/16W 1k ohm
R247	119-4731-15	1/16W 47k ohm
R248	119-4731-15	1/16W 47k ohm
R249	119-2231-15	1/16W 22k ohm
R250	119-4731-15	1/16W 47k ohm
R251	119-4731-15	1/16W 47k ohm
R252	119-4731-15	1/16W 47k ohm
R253	119-4731-15	1/16W 47k ohm
R254	119-3321-15	1/16W 3.3k ohm
R255	119-2231-15	1/16W 22k ohm
R256	119-2231-15	1/16W 22k ohm
R257	119-4731-15	1/16W 47k ohm
R258	119-2231-15	1/16W 22k ohm
R259	119-1011-15	1/16W 100 ohm
R260	119-4731-15	1/16W 47k ohm
R261	032-0104-50	1/4W 560 ohm
R262	032-0104-50	1/4W 560 ohm
R263	119-5611-15	1/16W 560 ohm
R264	119-1031-15	1/16W 10k ohm
R265	119-2721-15	1/16W 2.7k ohm
R266	119-2231-15	1/16W 22k ohm
R267	119-2231-15	1/16W 22k ohm
R268	119-2231-15	1/16W 22k ohm
SUP1	060-0122-10	DSP-201M-S00B
T101	009-0659-01	0.35mH
X2	061-1066-00	7.2MHz

Digital PWB section(B2)

REF No.	PART No.	DESCRIPTION
C501	168-1022-55	1000pF
C502	042-0595-62	16V10uF
C503	166-2401-50	24pF CH
C504	166-2701-50	27pF CH
C505	168-1022-55	1000pF
C507	168-1032-55	0.01uF
C508	042-0595-62	16V10uF
C509	168-1022-55	1000pF
C510	043-0296-50	0.1uF
C511	168-1032-55	0.01uF
C512	168-4732-78	16V 0.047uF
C513	168-1022-55	1000pF
C514	178-2242-78	0.22uF
C515	168-1045-56	0.1uF
C516	168-1032-55	0.01uF
C517	042-0595-65	16V47uF
C518	042-0559-00	5.5V0.1uF
C519	168-1032-55	0.01uF
C521	042-0595-65	16V47uF
C522	168-1022-55	1000pF
C523	168-1022-55	1000pF
C524	168-1022-55	1000pF
C525	168-1022-55	1000pF
C526	166-1011-50	100pF CH
C527	166-1011-50	100pF CH
C528	166-1011-50	100pF CH
C529	166-1011-50	100pF CH
C609	178-1055-79	1uF
C610	042-0416-57	10V47uF
C611	168-1045-56	0.1uF
C612	168-1045-56	0.1uF
C613	166-1007-50	10pF CH
C614	042-0416-57	10V47uF
C615	168-1032-55	0.01uF
C616	166-1007-50	10pF CH
C617	168-1045-56	0.1uF
C618	168-1045-56	0.1uF
C619	168-1045-56	0.1uF
C620	168-1045-56	0.1uF
C621	178-1055-79	1uF
C622	168-1045-56	0.1uF
C623	166-4701-50	47pF CH
C624	166-4701-50	47pF CH
C625	042-0595-66	25V4.7uF
C626	168-1045-56	0.1uF
C627	178-1055-79	1uF
C628	168-1032-55	0.01uF
C629	168-1022-55	1000pF
C630	168-1022-55	1000pF
C631	178-1055-79	1uF
C632	178-1055-79	1uF
C637	168-3312-55	330pF
CCT502	050-0122-58	1/16W 470 ohmx4 J
CCT601	050-0122-64	1/16W 330 ohmx4 J
CCT602	050-0122-64	1/16W 330 ohmx4 J
CCT603	050-0122-51	1/16W 47k ohmx4 J
CCT604	050-0122-51	1/16W 47k ohmx4 J
CCT605	050-0122-64	1/16W 330 ohmx4 J
CCT606	050-0122-64	1/16W 330 ohmx4 J
CCT607	050-0122-50	1/16W 10k ohmx4 J
CCT608	050-0122-64	1/16W 330 ohmx4 J
CCT609	050-0122-64	1/16W 330 ohmx4 J
CCT610	050-0122-64	1/16W 330 ohmx4 J
D501	001-0516-90	MA111
D504	001-0516-90	MA111
D505	001-0516-90	MA111

REF No.	PART No.	DESCRIPTION
D506	001-2403-90	M1F60
D508	001-2403-90	M1F60
D509	001-0516-90	MA111
D511	001-0584-23	MA8075
D513	001-0529-57	MA8120-H
D605	001-0367-91	1SS226
D606	001-0367-91	1SS226
D607	001-0516-90	MA111
IC501	051-1822-08	S-80732AN-DW-X
IC502	052-6043-40	M30624MGA-173GP
IC503	051-0869-58	NJM2103M
IC504	051-1014-08	TA7291F
IC601	051-1478-08	TC74HC4053AF
IC602	052-6044-21	M27C160-100M6
IC603	051-7100-08	TC4W66F-TE12L
IC607	051-1549-08	TC7W32F
IC608	051-5306-90	MM1117XF
IC609	051-6412-00	MB90092PF-G-BND
IC610	051-5306-90	MM1117XF
IC611	051-7229-08	TC7W74FU
IC612	051-1855-08	TC7W14F
IC613	051-0616-38	MC14538BF
J501	074-1205-88	38P
L501	010-2199-62	1uH
L601	010-2279-50	4.7uH
L602	010-2279-50	4.7uH
L603	010-2329-50	5.6uH
P1	076-0621-14	PLUG(14P)
P101	076-0621-19	PLUG(19P)
P103	076-0621-17	PLUG(17P)
P601	076-0313-02	2P
Q501	192-2712-00	2SC2712
Q502	192-2712-00	2SC2712
Q503	125-2004-92	RN1402
Q504	125-0021-97	DTA113ZU
Q505	125-0021-97	DTA113ZU
Q506	125-2004-93	RN1403
Q507	192-2712-00	2SC2712
Q508	190-1162-00	2SA1162
Q511	192-2873-00	2SC2873
Q517	125-0002-92	RN2402
Q518	125-2004-91	RN1401
Q601	125-2004-93	RN1403
R501	119-1031-15	1/16W 10k ohm
R502	119-1231-15	1/16W 12k ohm
R503	119-4721-15	1/16W 4.7k ohm
R504	119-4721-15	1/16W 4.7k ohm
R505	119-4741-15	1/16W 470k ohm
R506	119-4741-15	1/16W 470k ohm
R507	119-1021-15	1/16W 1k ohm
R508	119-1021-15	1/16W 1k ohm
R509	119-1011-15	1/16W 100 ohm
R510	119-5621-15	1/16W 5.6k ohm
R511	119-1021-15	1/16W 1k ohm
R512	119-4721-15	1/16W 4.7k ohm
R513	119-4731-15	1/16W 47k ohm
R514	119-1021-15	1/16W 1k ohm
R515	119-1021-15	1/16W 1k ohm
R516	119-1031-15	1/16W 10k ohm
R517	119-4721-15	1/16W 4.7k ohm
R518	119-4721-15	1/16W 4.7k ohm
R519	119-1021-15	1/16W 1k ohm
R520	119-4731-15	1/16W 47k ohm
R521	119-1011-15	1/16W 100 ohm
R522	119-4731-15	1/16W 47k ohm
R523	119-4731-15	1/16W 47k ohm

REF No.	PART No.	DESCRIPTION
R524	119-1541-15	1/16W 150k ohm
R526	119-1241-15	1/16W 120k ohm
R527	119-1831-15	1/16W 18k ohm
R528	119-8221-15	1/16W 8.2k ohm
R529	119-4321-15	1/16W 4.3k ohm
R530	119-1031-15	1/16W 10k ohm
R531	119-4711-15	1/16W 470 ohm
R532	119-4711-15	1/16W 470 ohm
R533	119-4721-15	1/16W 4.7k ohm
R535	119-2231-15	1/16W 22k ohm
R536	119-1021-15	1/16W 1k ohm
R537	119-2231-15	1/16W 22k ohm
R538	119-0000-05	1/16W 0 ohm JW
R540	119-4731-15	1/16W 47k ohm
R541	119-3311-15	1/16W 330 ohm
R542	119-1001-15	1/16W 10 ohm
R546	119-4711-15	1/16W 470 ohm
R547	119-2231-15	1/16W 22k ohm
R548	119-2231-15	1/16W 22k ohm
R549	119-1041-15	1/16W 100k ohm
R551	119-4731-15	1/16W 47k ohm
R553	119-4731-15	1/16W 47k ohm
R565	119-0000-05	1/16W 0 ohm JW
R568	119-1011-15	1/16W 100 ohm
R605	119-1531-15	1/16W 15k ohm
R606	119-1531-15	1/16W 15k ohm
R607	119-1531-15	1/16W 15k ohm
R608	119-5631-15	1/16W 56k ohm
R609	119-5631-15	1/16W 56k ohm
R610	119-5631-15	1/16W 56k ohm
R611	119-1011-15	1/16W 100 ohm
R612	119-1011-15	1/16W 100 ohm
R613	119-1011-15	1/16W 100 ohm
R614	119-4711-15	1/16W 470 ohm
R615	119-1511-15	1/16W 150 ohm
R616	119-3921-15	1/16W 3.9k ohm
R617	119-2211-15	1/16W 220 ohm
R618	119-0000-05	1/16W 0 ohm JW
R619	119-1031-15	1/16W 10k ohm
R620	119-5611-15	1/16W 560 ohm
R621	119-4731-15	1/16W 47k ohm
R622	119-4731-15	1/16W 47k ohm
R623	119-4731-15	1/16W 47k ohm
R624	111-7501-91	1/4W 75 ohm
R625	119-3311-15	1/16W 330 ohm
R626	119-1041-15	1/16W 100k ohm
R627	119-4731-15	1/16W 47k ohm
R628	119-1011-15	1/16W 100 ohm
R629	119-2211-15	1/16W 220 ohm
R630	119-1021-15	1/16W 1k ohm
R631	119-2221-15	1/16W 2.2k ohm
R632	111-7501-91	1/4W 75 ohm
R633	119-2021-15	1/16W 2k ohm
R634	119-2021-15	1/16W 2k ohm
R635	119-2021-15	1/16W 2k ohm
R636	119-0000-05	1/16W 0 ohm JW
R637	119-4741-15	1/16W 470k ohm
R638	119-4741-15	1/16W 470k ohm
R639	119-4741-15	1/16W 470k ohm
R640	119-6821-15	1/16W 6.8k ohm
TC601	004-1583-52	20pF RED
X501	060-1505-50	10MHz
X502	061-1056-00	32.768kHz
X601	061-1086-50	14.31818MHz
X602	061-3042-00	17.734475MHz

LCD PWB section(B3)

REF No.	PART No.	DESCRIPTION
C701	163-1063-55	35V10uF
C702	168-1045-56	0.1uF
C703	166-1011-50	100pF CH
C704	176-2221-50	2200pF CH

REF No.	PART No.	DESCRIPTION
C705	163-4753-55	35V4.7uF
C706	166-1021-50	1000pF CH
C707	166-1011-50	100pF CH
C708	168-1022-55	1000pF

REF No.	PART No.	DESCRIPTION
C709	163-1073-35	16V100uF
C710	042-0528-50	35V15uF
C711	163-3373-15	6.3V330uF
C712	042-0528-50	35V15uF

REF No.	PART No.	DESCRIPTION
C713	163-1073-35	16V100uF
C714	042-0528-50	35V15uF
C715	168-1045-56	0.1uF
C716	163-1073-15	6.3V100uF
C717	163-3363-45	25V33uF
C718	168-1045-56	0.1uF
C719	042-0595-62	16V10uF
C720	168-1045-56	0.1uF
C721	168-1045-56	0.1uF
C722	042-0595-62	16V10uF
C723	168-1045-56	0.1uF
C724	178-1055-79	1uF
C725	168-3332-78	16V 0.033uF
C726	168-1022-55	1000pF
C727	168-1045-56	0.1uF
C728	042-0595-62	16V10uF
C729	042-0630-50	16V100uF
C730	168-1032-55	0.01uF
C731	176-1521-50	1500pF CH
C732	178-1055-79	1uF
C733	042-0595-81	50V3.3uF
C734	042-0452-00	6.3V330uF
C735	178-2242-78	0.22uF
C736	168-2232-55	0.022uF
C738	042-0595-62	16V10uF
C740	166-5601-50	56pF CH
C741	168-2222-55	2200pF
C742	168-1045-56	0.1uF
C743	168-1032-55	0.01uF
C744	168-1032-55	0.01uF
C745	178-4742-78	0.47uF
C746	178-4742-78	0.47uF
C747	178-4742-78	0.47uF
C748	168-1032-55	0.01uF
C749	042-0595-79	50V1uF
C750	166-1201-50	12pF CH
C751	168-8212-55	820pF
C752	166-2201-50	22pF CH
C753	043-0499-52	0.082uF
C754	168-6812-55	680pF
C755	042-0397-50	16V1uF TAN
C756	176-5601-52	56pF RH
C757	168-1032-55	0.01uF
C758	168-1032-55	0.01uF
C759	168-4735-56	0.047uF
C760	168-1032-55	0.01uF
C761	168-1032-55	0.01uF
C762	168-1032-55	0.01uF
C763	178-1055-79	1uF
C764	166-8201-50	82pF CH
C765	168-1032-55	0.01uF
C766	178-1055-79	1uF
C767	168-1032-55	0.01uF
C768	168-1032-55	0.01uF
C769	178-1055-79	1uF
C770	178-1055-79	1uF
C771	178-1055-79	1uF
C772	163-1073-35	16V100uF
C774	178-1055-79	1uF
C775	042-0595-77	50V0.47uF
C776	168-1032-55	0.01uF
C777	166-8097-50	8pF CH
C778	166-8097-50	8pF CH
C779	168-1045-56	0.1uF
C780	178-1055-79	1uF
C781	042-0595-81	50V3.3uF
C782	168-1032-55	0.01uF
C783	168-2232-55	0.022uF
C784	043-0499-52	0.082uF
C785	178-1055-79	1uF
C786	168-1045-56	0.1uF
C787	168-1045-56	0.1uF
C788	168-1045-56	0.1uF
C789	168-1045-56	0.1uF

REF No.	PART No.	DESCRIPTION
C901	178-1055-79	1uF
D701	001-2606-90	M1FS4
D702	001-0516-90	MA111
D703	001-0516-90	MA111
D704	001-0516-90	MA111
D706	001-2606-90	M1FS4
D707	001-0529-46	MA8091-L
D708	001-0516-90	MA111
D709	001-0506-90	DAN202K
D710	001-0506-90	DAN202K
D711	001-0516-90	MA111
D712	001-0516-90	MA111
D713	001-0516-90	MA111
D714	001-0516-90	MA111
D715	001-0516-90	MA111
D716	001-0516-90	MA111
D717	001-0516-90	MA111
D719	001-0516-90	MA111
D726	001-0516-90	MA111
D901	001-7064-90	CL-170SR
D902	001-7064-90	CL-170SR
F701	060-8023-52	0.75A
IC701	051-7214-38	MC74HC595AF
IC702	051-3903-90	NJM2368M
IC703	051-7202-08	TC7S32F
IC704	051-1292-90	NJM4565M-D
IC705	051-0599-91	NJM2903M
IC706	051-3601-91	TL494CNS
IC707	051-5313-10	IR3Y29BM
IC708	051-1250-08	TC4S66F
IC709	051-1250-08	TC4S66F
IC710	051-7232-08	74VHC4066M
IC711	051-1250-08	TC4S66F
IR901	060-4005-02	GP1U261X
J701	074-1189-85	35P
J703	074-1136-00	15P
J704	074-1199-74	24P
J901	074-1242-80	30P
L701	010-3057-90	100uH
L702	010-2199-86	100uH J
L703	010-3057-90	100uH
L704	010-2199-86	100uH J
L705	010-2199-80	33uH J
L706	010-3014-62	100uH
L707	010-3014-62	100uH
L708	010-2199-83	56uH J
L709	010-4013-00	23.9uH
L710	010-2199-80	33uH J
LCD2	379-1162-41	DISPLAY
P701	076-0529-02	2P
P702	076-0624-80	30P
Q701	190-1213-00	2SA1213
Q702	125-2004-92	RN1402
Q703	125-2036-90	FB1J3P
Q704	192-2873-00	2SC2873
Q705	190-1738-00	2SA1738
Q706	125-0002-93	RN2403
Q707	125-2004-92	RN1402
Q708	125-2004-92	RN1402
Q709	125-2004-92	RN1402
Q710	125-2004-93	RN1403
Q711	125-0002-92	RN2402
Q712	192-3326-00	2SC3326
Q713	197-0528-00	2SJ528(S)-TL
Q714	192-2712-00	2SC2712
Q715	125-2004-92	RN1402
Q716	125-2004-92	RN1402
Q717	192-2873-00	2SC2873
Q718	192-2873-00	2SC2873
Q719	190-1738-00	2SA1738
Q720	125-2004-92	RN1402
Q721	125-2004-93	RN1403
Q722	125-2004-93	RN1403
Q723	125-0002-92	RN2402

REF No.	PART No.	DESCRIPTION
Q726	192-2712-00	2SC2712
R700	119-1001-15	1/16W 10 ohm
R701	116-1021-15	1/8W 1k ohm
R702	119-2021-15	1/16W 2k ohm
R703	119-1001-15	1/16W 10 ohm
R704	119-6841-15	1/16W 680k ohm
R705	119-3931-15	1/16W 39k ohm
R706	119-6841-15	1/16W 680k ohm
R707	119-2231-15	1/16W 22k ohm
R708	119-1841-15	1/16W 180k ohm
R709	119-3311-15	1/16W 330 ohm
R710	119-1031-15	1/16W 10k ohm
R711	119-2231-15	1/16W 22k ohm
R712	119-2211-15	1/16W 220 ohm
R713	119-4731-15	1/16W 47k ohm
R714	119-4711-15	1/16W 470 ohm
R715	119-1031-15	1/16W 10k ohm
R716	119-1031-15	1/16W 10k ohm
R717	119-4701-15	1/16W 47 ohm
R718	119-1031-15	1/16W 10k ohm
R719	119-1531-15	1/16W 15k ohm
R720	119-1031-15	1/16W 10k ohm
R721	119-2221-15	1/16W 2.2k ohm
R722	119-4721-15	1/16W 4.7k ohm
R723	119-1531-15	1/16W 15k ohm
R724	119-2231-15	1/16W 22k ohm
R725	119-2231-15	1/16W 22k ohm
R726	119-1041-15	1/16W 100k ohm
R727	119-4731-15	1/16W 47k ohm
R728	119-2231-15	1/16W 22k ohm
R729	119-2231-15	1/16W 22k ohm
R730	119-4731-15	1/16W 47k ohm
R731	119-1021-15	1/16W 1k ohm
R732	119-3301-15	1/16W 33 ohm
R733	119-3321-15	1/16W 3.3k ohm
R734	119-1021-15	1/16W 1k ohm
R735	119-1031-15	1/16W 10k ohm
R736	119-4721-15	1/16W 4.7k ohm
R737	119-2221-15	1/16W 2.2k ohm
R738	119-5621-15	1/16W 5.6k ohm
R739	119-5621-15	1/16W 5.6k ohm
R740	119-1021-15	1/16W 1k ohm
R741	119-1021-15	1/16W 1k ohm
R742	119-3321-15	1/16W 3.3k ohm
R743	119-1831-15	1/16W 18k ohm
R744	119-6821-15	1/16W 6.8k ohm
R745	119-3341-15	1/16W 330k ohm
R746	119-5621-15	1/16W 5.6k ohm
R747	119-5621-15	1/16W 5.6k ohm
R748	119-4721-15	1/16W 4.7k ohm
R749	119-3021-15	1/16W 3k ohm
R750	119-2021-15	1/16W 2k ohm
R751	119-1521-15	1/16W 1.5k ohm
R752	119-2221-15	1/16W 2.2k ohm
R753	119-1041-15	1/16W 100k ohm
R754	119-5641-15	1/16W 560k ohm
R755	119-4791-15	1/16W 4.7 ohm J
R756	119-2431-15	1/16W 24k ohm
R757	119-4711-15	1/16W 470 ohm
R758	119-4711-15	1/16W 470 ohm
R759	119-4711-15	1/16W 470 ohm
R760	119-4711-15	1/16W 470 ohm
R761	119-3341-15	1/16W 330k ohm
R762	119-2231-15	1/16W 22k ohm
R763	119-3331-15	1/16W 33k ohm
R764	119-3931-15	1/16W 39k ohm
R765	119-2731-15	1/16W 27k ohm
R766	032-0140-80	1/16W 18k ohm F
R767	119-5631-15	1/16W 56k ohm
R768	119-3631-15	1/16W 36k ohm
R769	119-5611-15	1/16W 560 ohm
R770	119-1021-15	1/16W 1k ohm
R771	119-3351-15	1/16W 3.3M ohm
R772	119-1011-15	1/16W 100 ohm

REF No.	PART No.	DESCRIPTION
R773	119-1011-15	1/16W 100 ohm
R774	119-1011-15	1/16W 100 ohm
R775	116-1021-15	1/8W 1k ohm
R776	119-3931-15	1/16W 39k ohm
R777	119-2731-15	1/16W 27k ohm
R778	116-1021-15	1/8W 1k ohm
R779	119-3931-15	1/16W 39k ohm
R780	119-2731-15	1/16W 27k ohm
R781	119-6821-15	1/16W 6.8k ohm
R782	119-4731-15	1/16W 47k ohm
R783	119-1831-15	1/16W 18k ohm
R784	119-1051-15	1/16W 1M ohm
R785	032-0140-89	1/10W 47k ohm F
R786	119-0000-05	1/16W 0 ohm JW
R787	032-0140-99	1/10W 39k ohm F
R788	119-5621-15	1/16W 5.6k ohm
R789	119-1521-15	1/16W 1.5k ohm
R790	032-0140-89	1/10W 47k ohm F
R791	119-3021-15	1/16W 3k ohm
R792	032-0140-99	1/10W 39k ohm F
R793	119-1011-15	1/16W 100 ohm
R794	119-1021-15	1/16W 1k ohm
R795	119-2221-15	1/16W 2.2k ohm
R796	119-3311-15	1/16W 330 ohm

REF No.	PART No.	DESCRIPTION
R797	119-1011-15	1/16W 100 ohm
R798	119-6811-15	1/16W 680 ohm
R799	119-1011-15	1/16W 100 ohm
R800	119-5621-15	1/16W 5.6k ohm
R801	119-8221-15	1/16W 8.2k ohm
R802	119-1521-15	1/16W 1.5k ohm
R803	119-4741-15	1/16W 470k ohm
R804	119-4741-15	1/16W 470k ohm
R805	119-4741-15	1/16W 470k ohm
R806	119-4741-15	1/16W 470k ohm
R807	119-4741-15	1/16W 470k ohm
R808	119-6831-15	1/16W 68k ohm
R809	119-2221-15	1/16W 2.2k ohm
R810	119-1031-15	1/16W 10k ohm
R811	119-2211-15	1/16W 220 ohm
R812	119-1021-15	1/16W 1k ohm
R813	032-0092-43	1/10W 3.0k ohm F
R814	032-0092-43	1/10W 3.0k ohm F
R815	119-1011-15	1/16W 100 ohm
R816	119-1011-15	1/16W 100 ohm
R817	119-0000-05	1/16W 0 ohm JW
R818	119-1011-15	1/16W 100 ohm
R901	119-2711-15	1/16W 270 ohm
R902	119-2711-15	1/16W 270 ohm

REF No.	PART No.	DESCRIPTION
R903	119-2711-15	1/16W 270 ohm
R904	119-2711-15	1/16W 270 ohm
S1	002-0313-91	THERMISTOR
S701	013-6100-00	SKHLLB
S702	013-7205-50	SPVE1-3
S902	013-6511-50	LS9J2M-1SR
S903	013-6511-50	LS9J2M-1SR
S904	013-6511-50	LS9J2M-1SR
S905	013-6511-50	LS9J2M-1SR
S906	013-9907-00	RKJXM1012
T701	007-1153-90	873AC-1071
T702	007-1152-00	BLC216HP
TH601	002-0216-95	DTN-T203K103KS
VR701	012-6009-52	1k ohm
VR702	012-6009-56	10k ohm
VR703	012-6009-58	33k ohm
VR704	012-6009-58	33k ohm
VR705	012-6009-58	33k ohm
VR706	012-6009-58	33k ohm
VR707	012-6009-58	33k ohm
VR708	012-6009-52	1k ohm
X701	061-1078-00	3.5795MHz
X702	061-3036-00	4.433619MHz

DCP PWB section(B4)

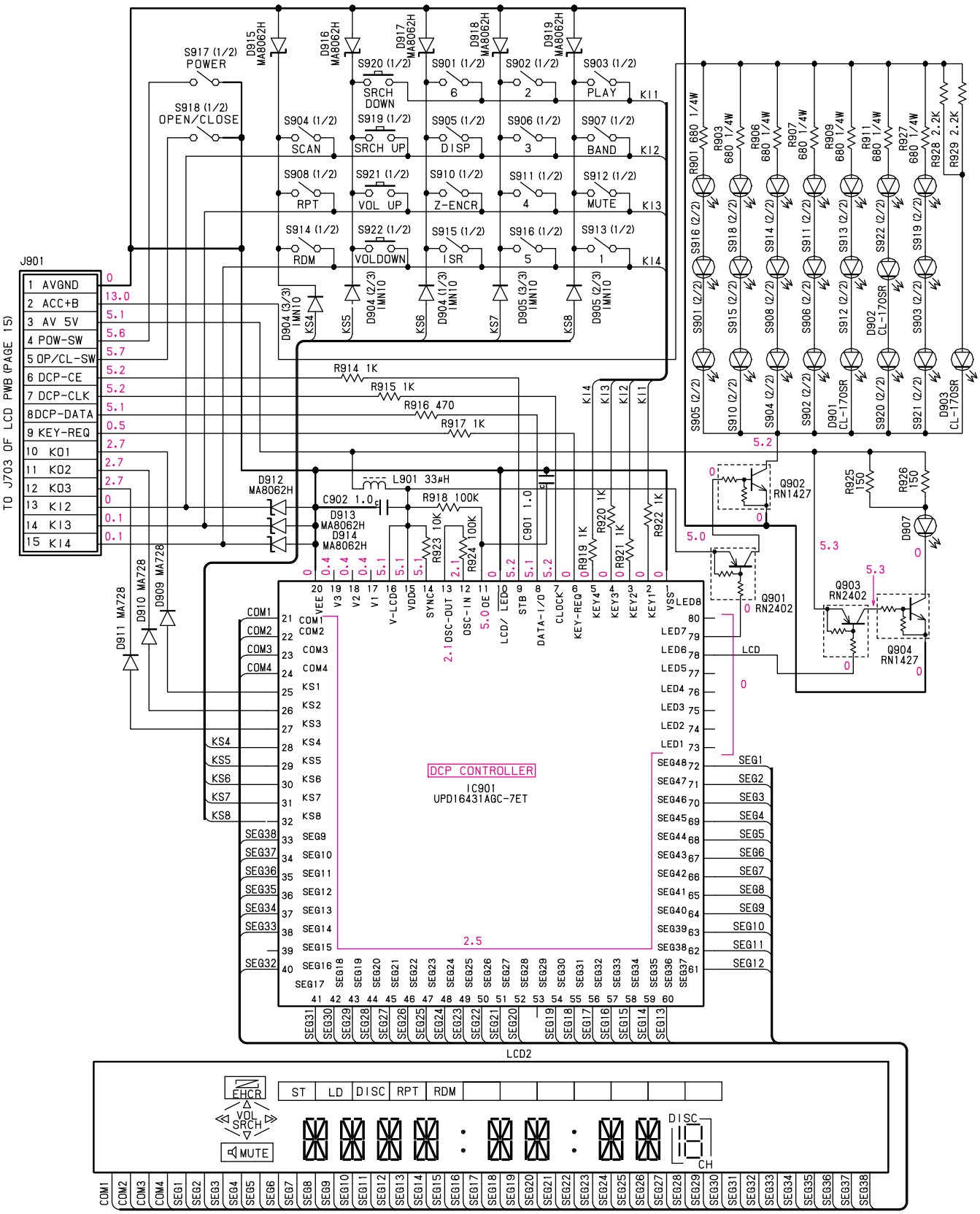
REF No.	PART No.	DESCRIPTION
C901	178-1055-79	1uF
C902	178-1055-79	1uF
D901	001-7064-90	CL-170SR
D902	001-7064-90	CL-170SR
D903	001-7064-90	CL-170SR
D904	001-0525-90	IMN10
D905	001-0525-90	IMN10
D907	001-7046-00	NSPW310BS
D909	001-2601-90	MA728-TX
D910	001-2601-90	MA728-TX
D911	001-2601-90	MA728-TX
D912	001-0529-36	MA8062-H
D913	001-0529-36	MA8062-H
D914	001-0529-36	MA8062-H
D915	001-0529-36	MA8062-H
D916	001-0529-36	MA8062-H
D917	001-0529-36	MA8062-H
D918	001-0529-36	MA8062-H
D919	001-0529-36	MA8062-H
IC901	051-6001-01	uPD16431AGC-7ET
J901	076-0531-00	15P
L901	010-2323-71	33uH
Q901	125-0002-92	RN2402

REF No.	PART No.	DESCRIPTION
Q902	125-2017-97	RN1427
Q903	125-0002-92	RN2402
Q904	125-2017-97	RN1427
R901	116-6811-15	1/8W 680 ohm
R903	116-6811-15	1/8W 680 ohm
R905	116-6811-15	1/8W 680 ohm
R907	116-6811-15	1/8W 680 ohm
R909	116-6811-15	1/8W 680 ohm
R911	116-6811-15	1/8W 680 ohm
R913	116-6811-15	1/8W 680 ohm
R914	119-1021-15	1/16W 1k ohm
R915	119-1021-15	1/16W 1k ohm
R916	119-4711-15	1/16W 470 ohm
R917	119-1021-15	1/16W 1k ohm
R918	119-1041-15	1/16W 100k ohm
R919	119-1021-15	1/16W 1k ohm
R920	119-1021-15	1/16W 1k ohm
R921	119-1021-15	1/16W 1k ohm
R922	119-1021-15	1/16W 1k ohm
R923	119-1031-15	1/16W 10k ohm
R924	119-1041-15	1/16W 100k ohm
R925	119-1511-15	1/16W 150 ohm
R926	119-1511-15	1/16W 150 ohm

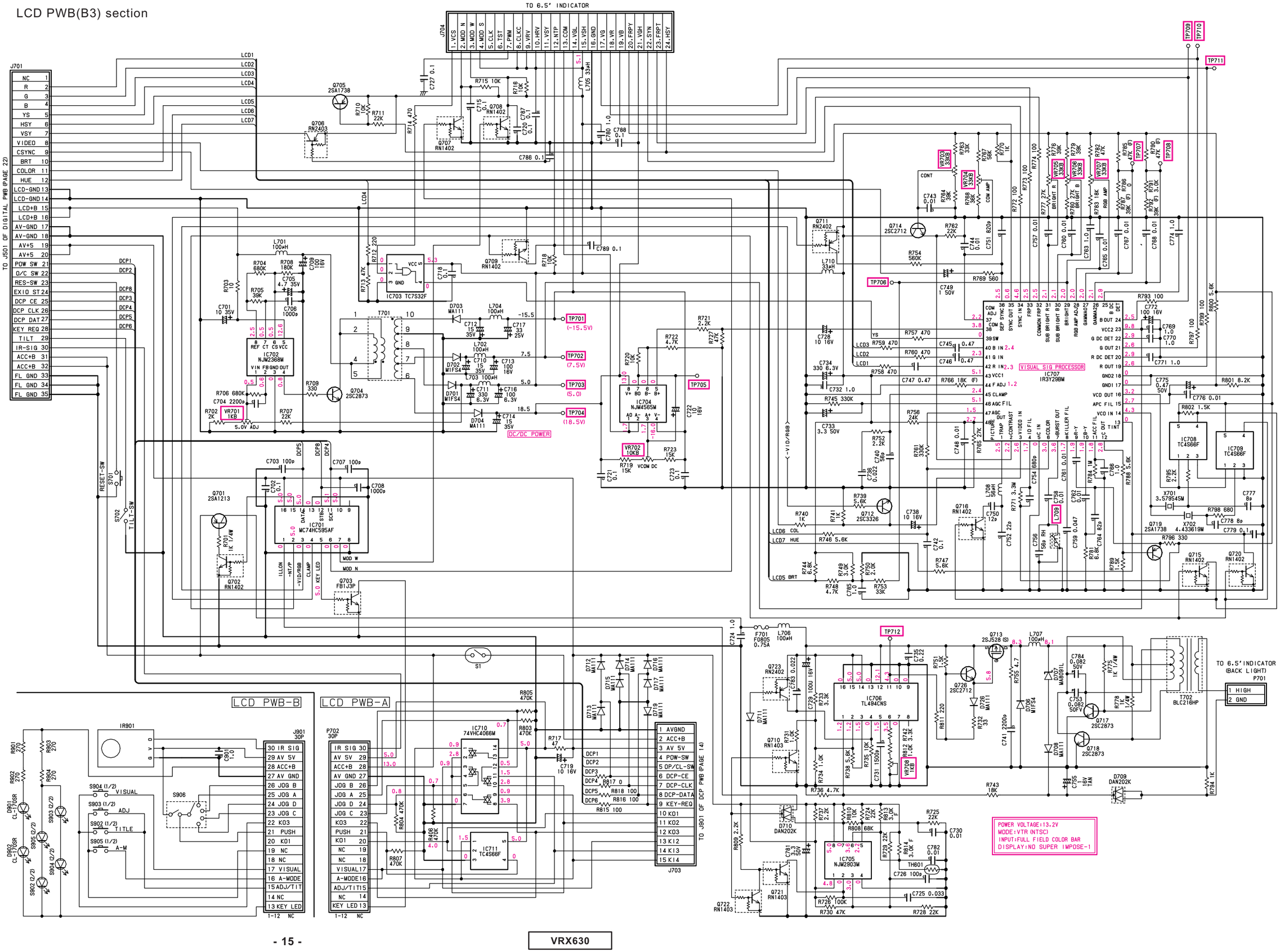
REF No.	PART No.	DESCRIPTION
R928	119-2221-15	1/16W 2.2k ohm
R929	119-2221-15	1/16W 2.2k ohm
S901	013-6511-50	LS9J2M-1SR
S902	013-6511-50	LS9J2M-1SR
S903	013-6511-50	LS9J2M-1SR
S904	013-6511-50	LS9J2M-1SR
S905	013-6511-50	LS9J2M-1SR
S906	013-6511-50	LS9J2M-1SR
S907	013-6312-50	SKRP-ABE-010
S908	013-6511-50	LS9J2M-1SR
S910	013-6511-50	LS9J2M-1SR
S911	013-6511-50	LS9J2M-1SR
S912	013-6511-50	LS9J2M-1SR
S913	013-6511-50	LS9J2M-1SR
S914	013-6511-50	LS9J2M-1SR
S915	013-6511-50	LS9J2M-1SR
S916	013-6511-50	LS9J2M-1SR
S917	013-6312-50	SKRP-ABE-010
S918	013-6511-50	LS9J2M-1SR
S919	013-6511-50	LS9J2M-1SR
S920	013-6511-50	LS9J2M-1SR
S921	013-6511-50	LS9J2M-1SR
S922	013-6511-50	LS9J2M-1SR

CIRCUIT DIAGRAM

DCP PWB(B4) section



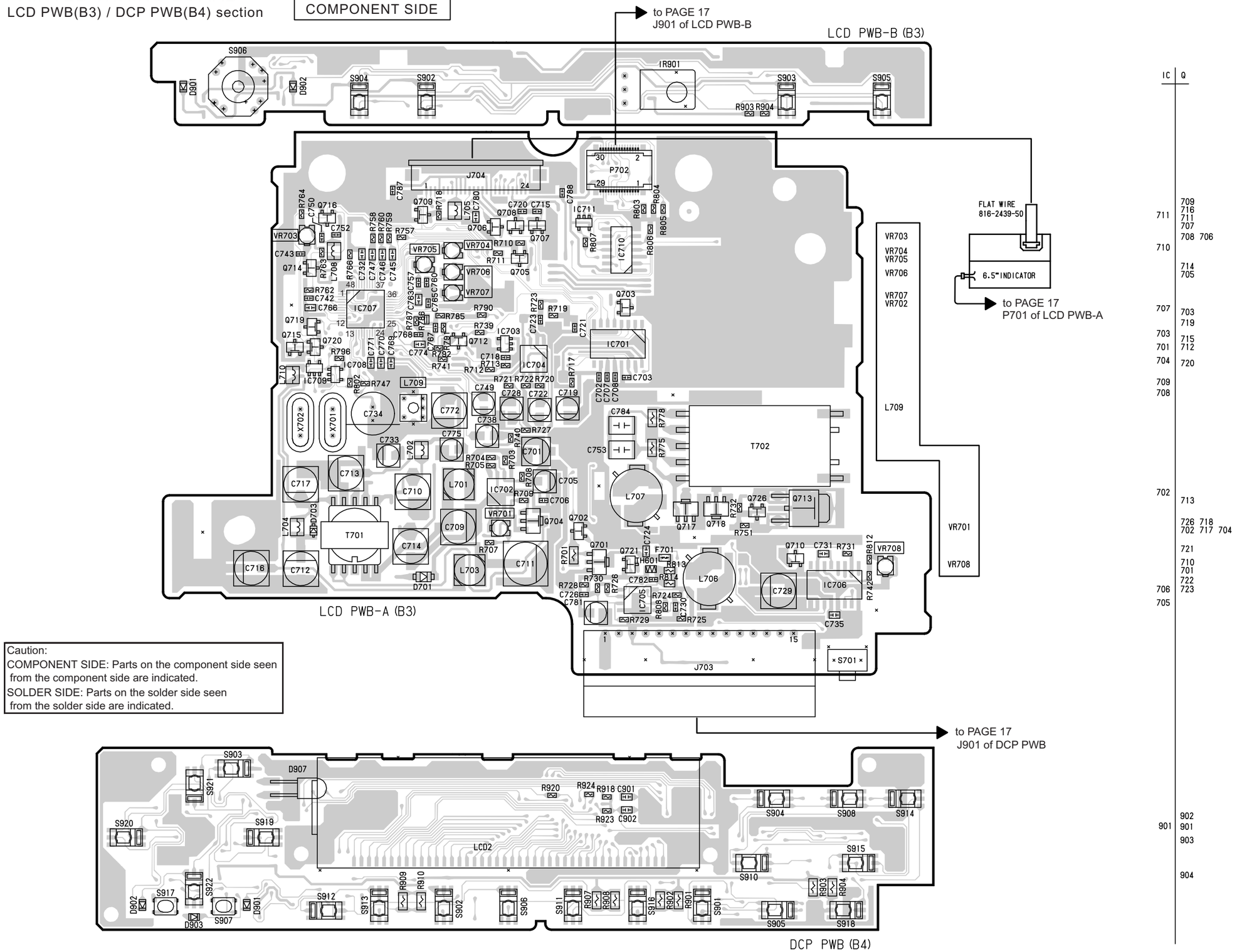
LCD PWB(B3) section



PRINTED WIRING BOARD

LCD PWB(B3) / DCP PWB(B4) section

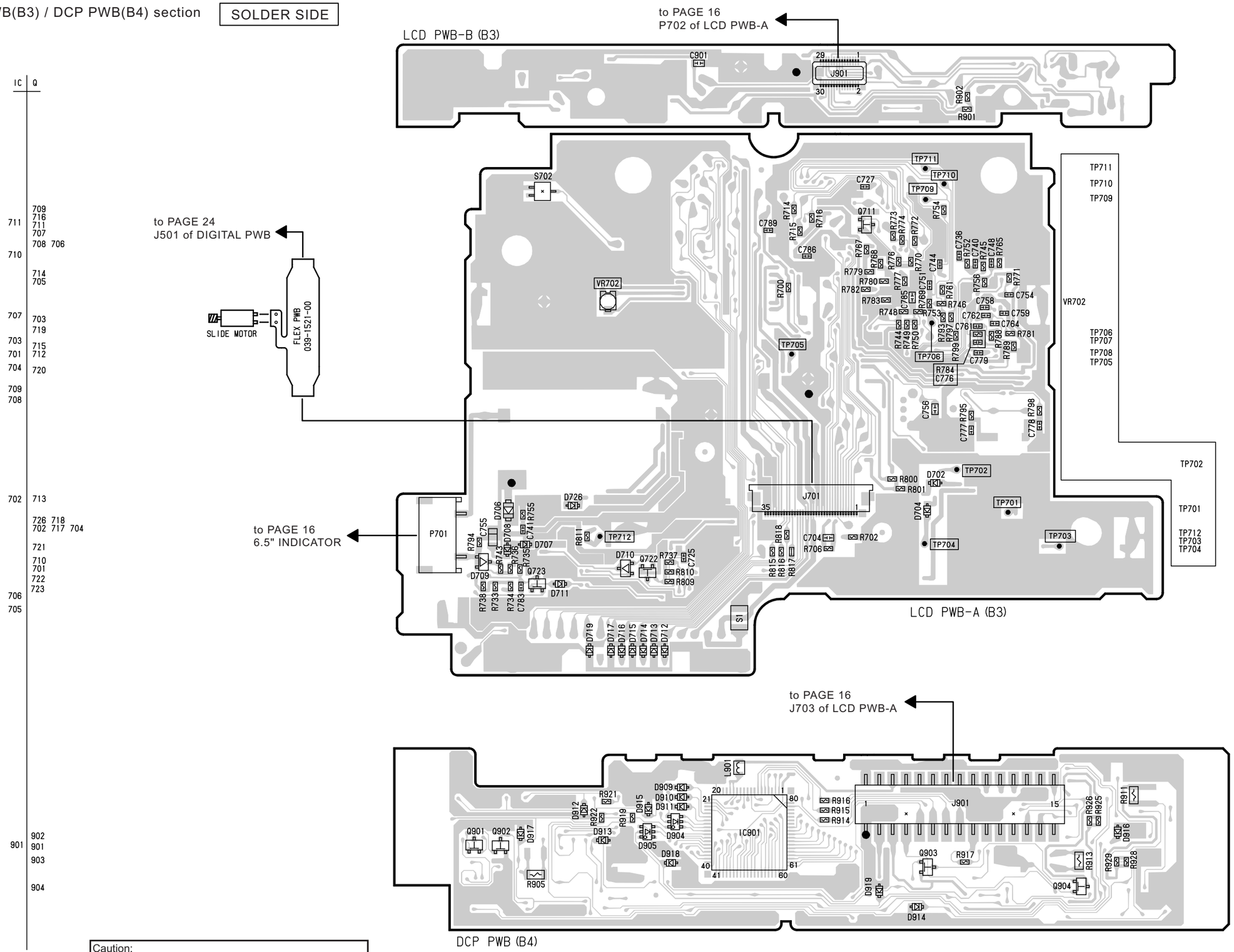
COMPONENT SIDE



Caution:
COMPONENT SIDE: Parts on the component side seen from the component side are indicated.
SOLDER SIDE: Parts on the solder side seen from the solder side are indicated.

LCD PWB(B3) / DCP PWB(B4) section

SOLDER SIDE



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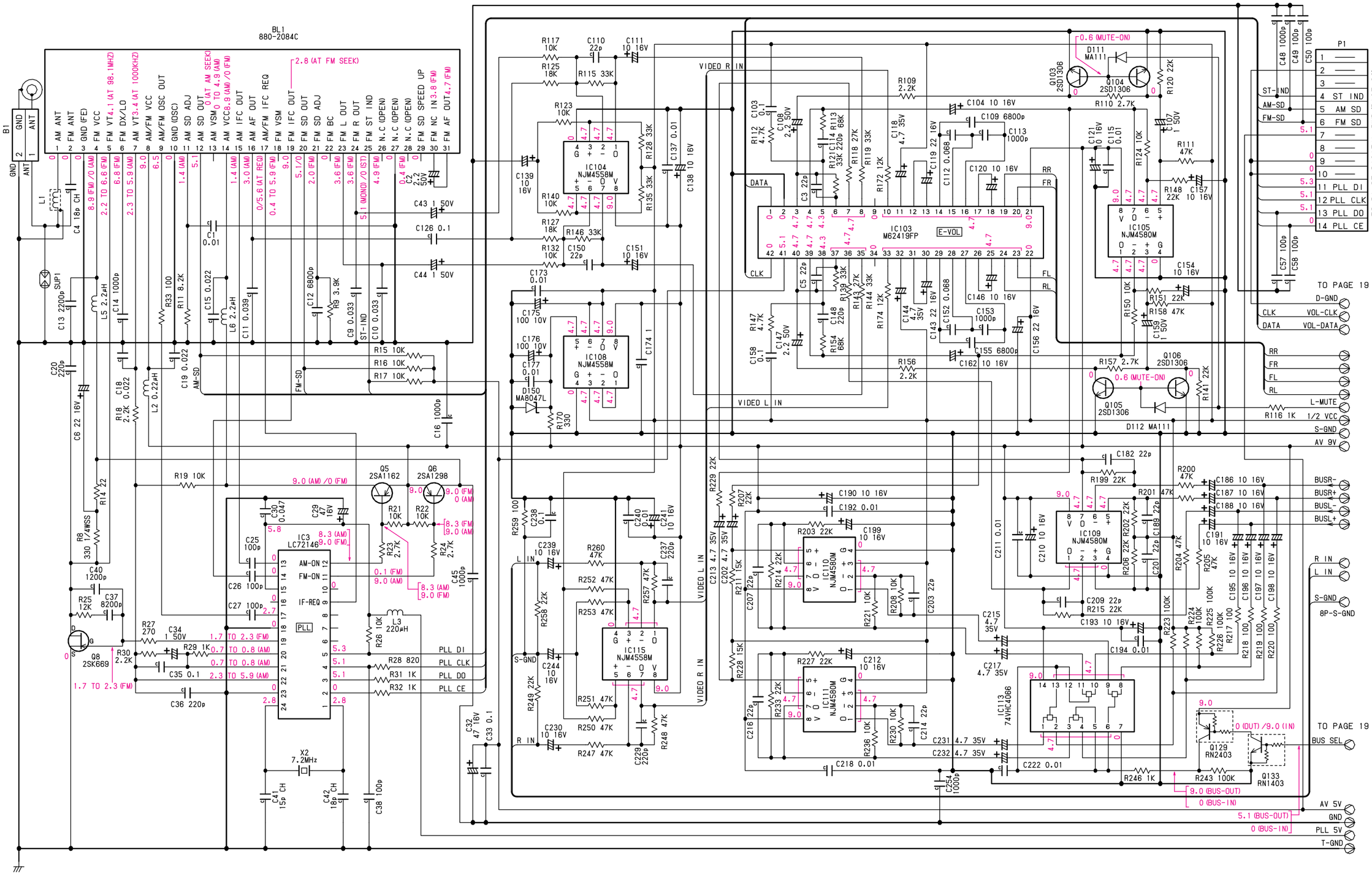
SOLDER SIDE: Parts on the solder side seen from the solder side are indicated.

MARKS ● AND MARKS GND ARE ON THE GROUND OF THE DIP LAYER.

CIRCUIT DIAGRAM

Main PWB(B1) section 1/2



Main PWB(B1) section 2/2

A	GND
B	FRONT LEFT SP(+)
C	FRONT LEFT SP(-)
D	FRONT RIGHT SP(-)
E	FRONT RIGHT SP(+)
F	REAR LEFT SP(+)
G	REAR LEFT SP(-)
H	REAR RIGHT SP(+)
I	BACK UP
J	ACC
K	ILLUMINATION
L	PARKING BRAKE
M	PHONE INT.
N	REMOTE TURN-ON
O	NC
P	REAR RIGHT SP(-)

1	SEL3
2	SEL2
3	REMOTE CONTROL
4	VIDEO IN
5	AUDIO R-IN
6	AUDIO L-IN
7	GND
8	S-GND

1	GND	8	BUS R-ch(-)
2	BACK UP	9	SYS ACC
3	BUS L-ch(+)	10	BUS(-)
4	NC	11	BUS L-ch(-)
5	NC	12	ILLUMINATION
6	BUS(+)	13	NC
7	BUS R-ch(+)		

PRINTED WIRING BOARD

COMPONENT SIDE

Main PWB(B1) section

1	GND
2	BACK
3	BUS L-ch(+)
4	NC
5	NC
6	BUS(+)
7	BUS R-ch(+)
8	BUS R-ch(-)
9	SYS ACC
10	BUS(-)
11	BUS L-ch(-)
12	ILLUMINATION
13	NC

A	GND	I	BACK UP
B	FRONT LEFT SP(+)	J	ACC
C	FRONT LEFT SP(-)	K	ILLUMINATION
D	FRONT RIGHT SP(-)	L	PARKING BRAKE
E	FRONT RIGHT SP(+)	M	PHONE INT.
F	REAR LEFT SP(+)	N	REMOTE TURN-ON
G	REAR LEFT SP(-)	O	NC
H	REAR RIGHT SP(+)	P	REAR RIGHT SP(-)

1	SEL3
2	SEL2
3	REMOTE CONTROL
4	VIDEO IN
5	AUDIO R-IN
6	AUDIO L-IN
7	GND
8	S-GND

Q	IC
	101
	112
107 135	
119 117 113 108	
116 118 109	117
124 126 110	
131 121	
123 132 120 115	
138 127 114 6	
122 130 125 128	
134	
137 136	
	108
	115 102 106
5	
	111
8	3
	110 103
	113
129	104
133	
103 105	
101 104 106	
102	105
	109
	114
	116

Caution:
COMPONENT SIDE: Parts on the component side seen from the component side are indicated.
SOLDER SIDE: Parts on the solder side seen from the solder side are indicated.

Main PWB(B1) section SOLDER SIDE

Caution:
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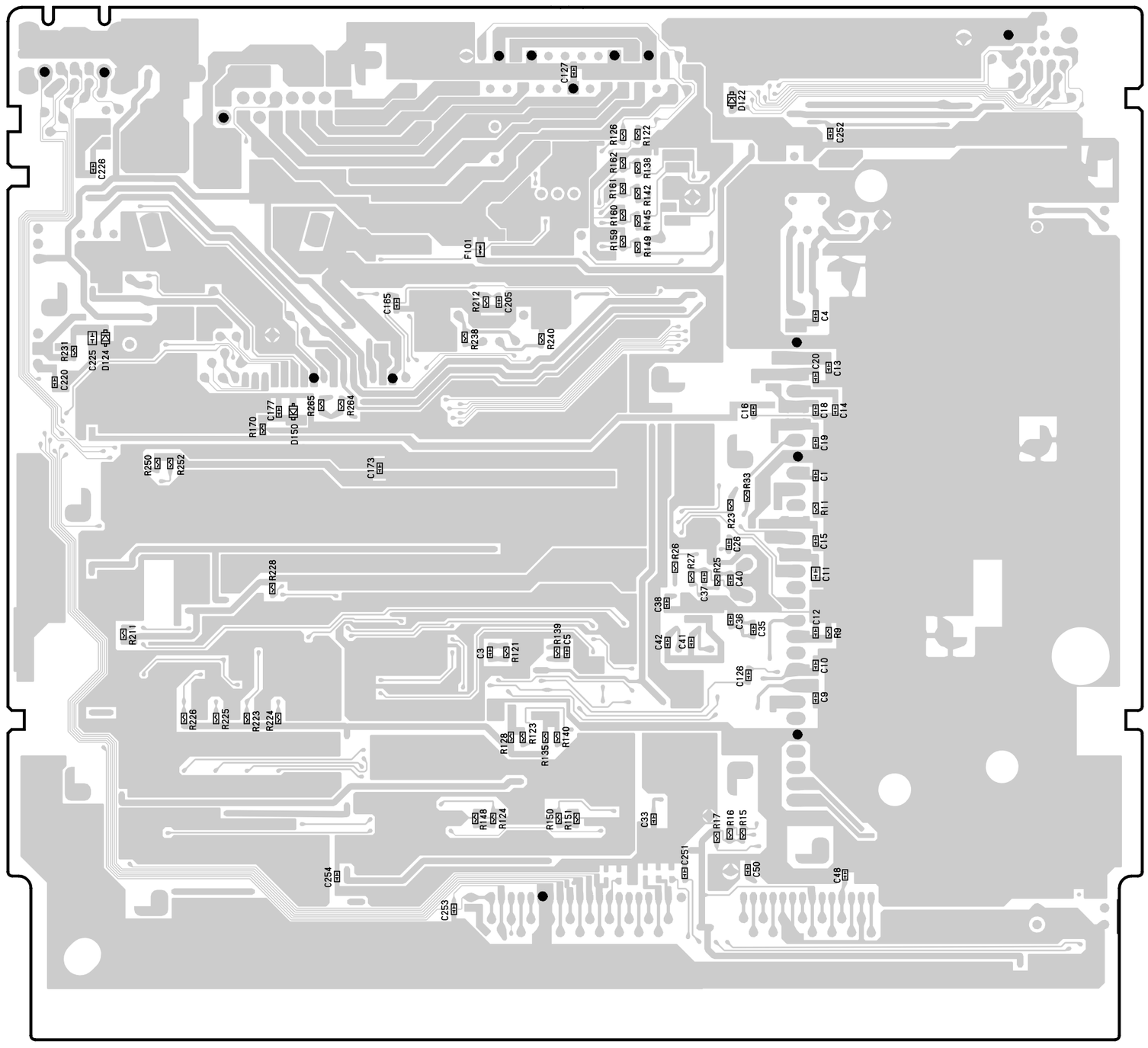
SOLDER SIDE: Parts on the solder side seen from the solder side are indicated.

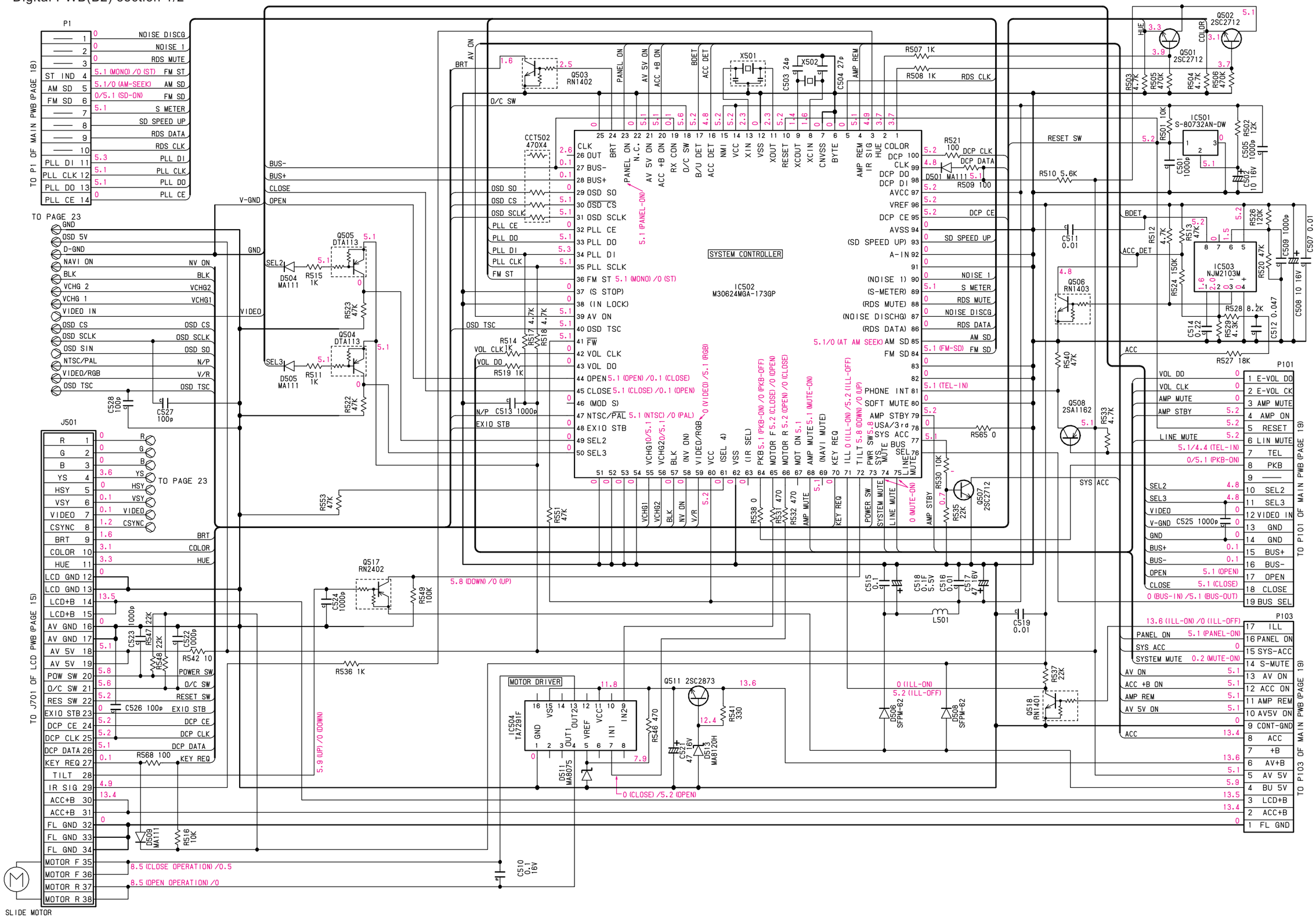
MARKS ● AND MARKS GND ARE ON THE GROUND OF THE DIP LAYER.

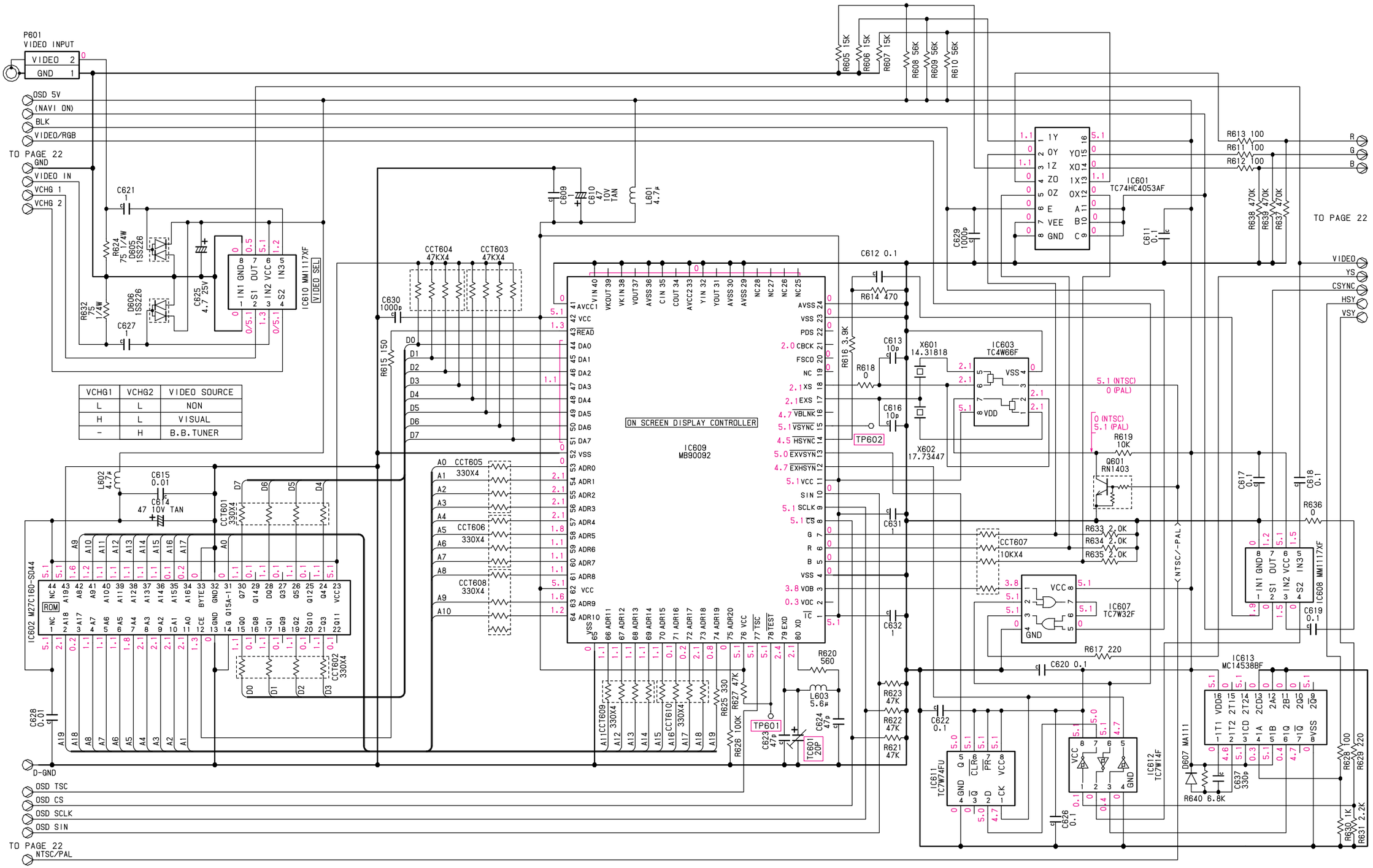
MAIN PWB (B1)



CIRCUIT DIAGRAM

Digital PWB(B2) section 1/2



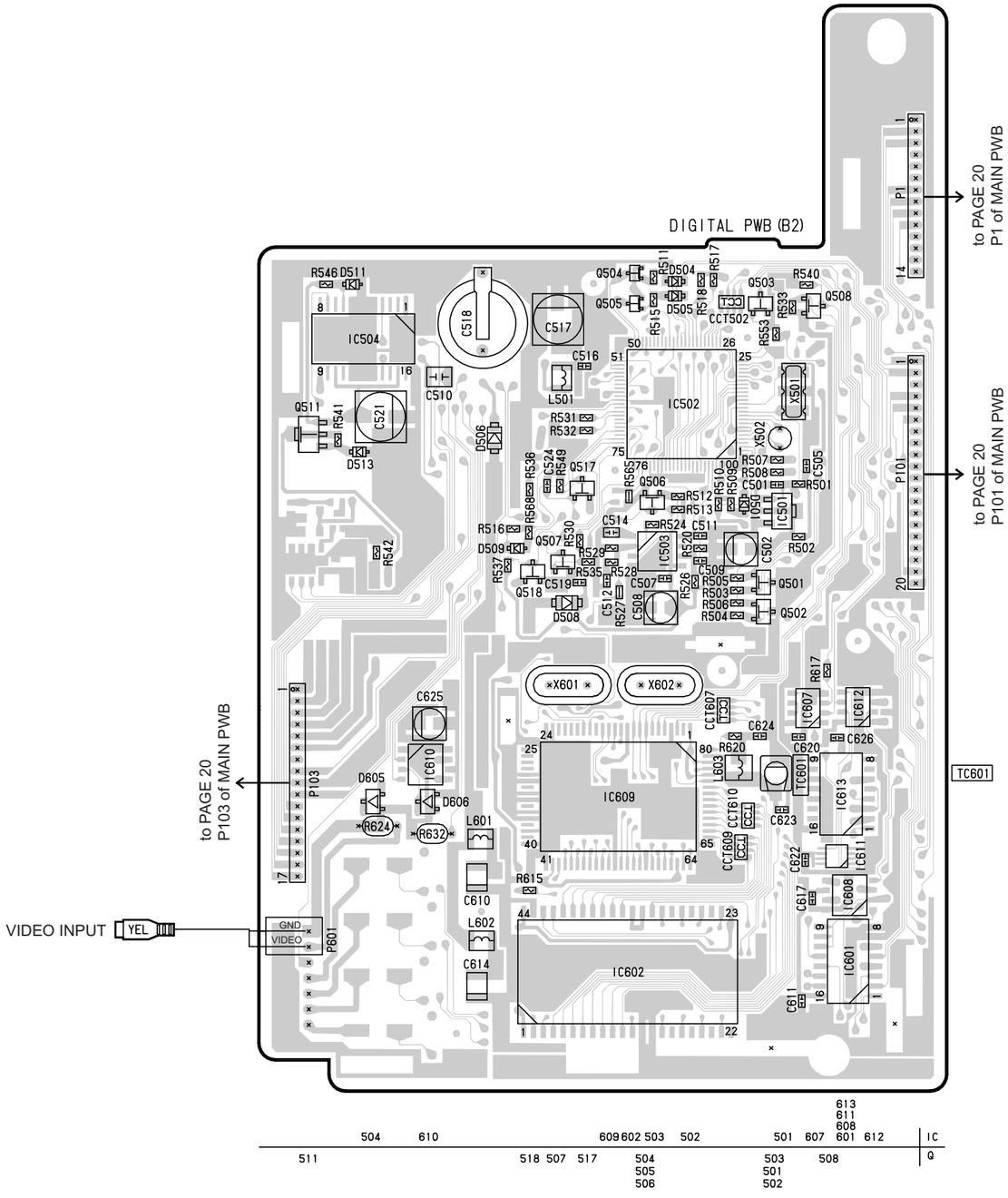


VCHG1	VCHG2	VIDEO SOURCE
L	L	NON
H	L	VISUAL
–	H	B.B.TUNER

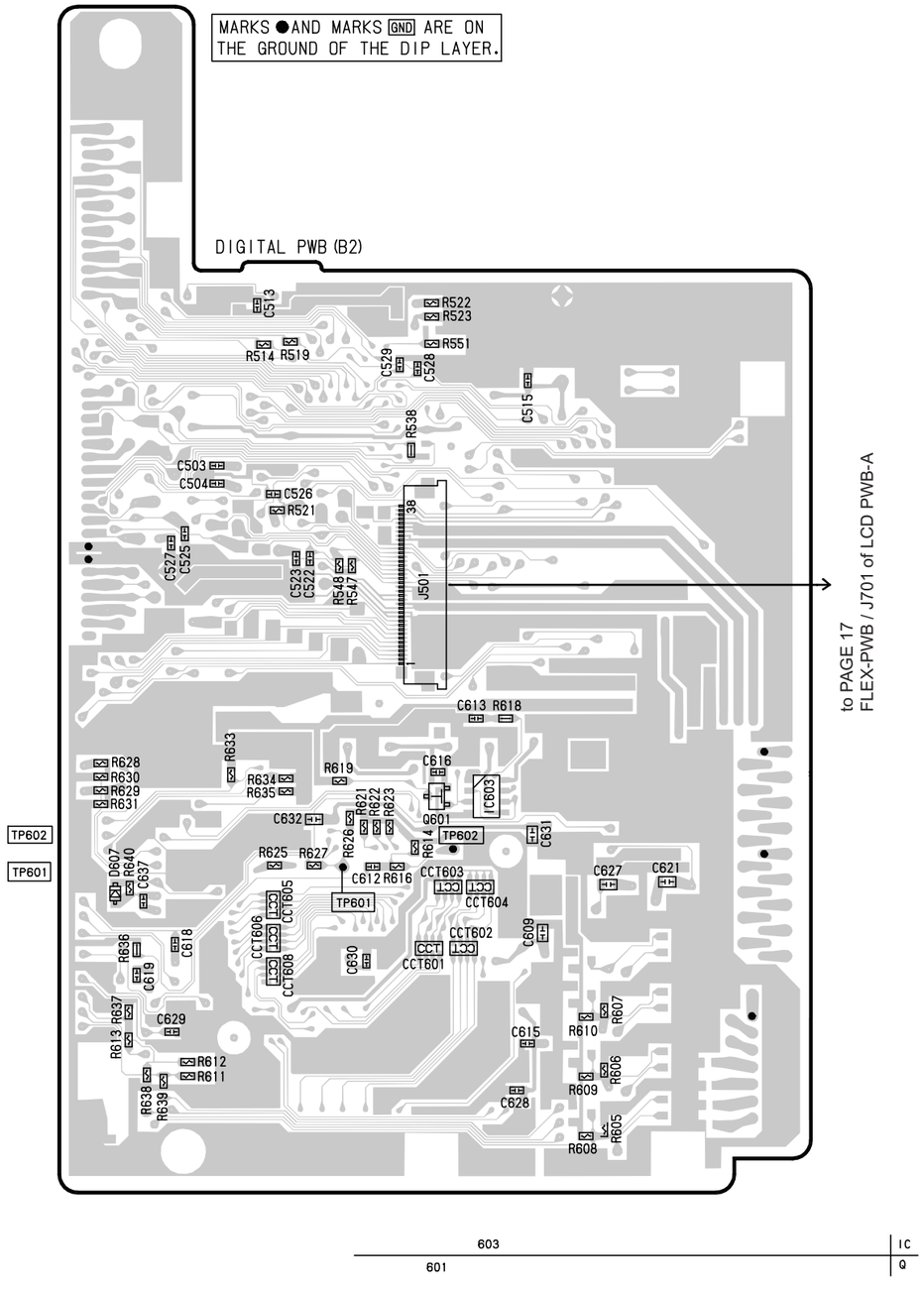
PRINTED WIRING BOARD

Digital PWB(B2) section

COMPONENT SIDE



SOLDER SIDE



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SOLDER SIDE: Parts on the solder side seen from the solder side are indicated.